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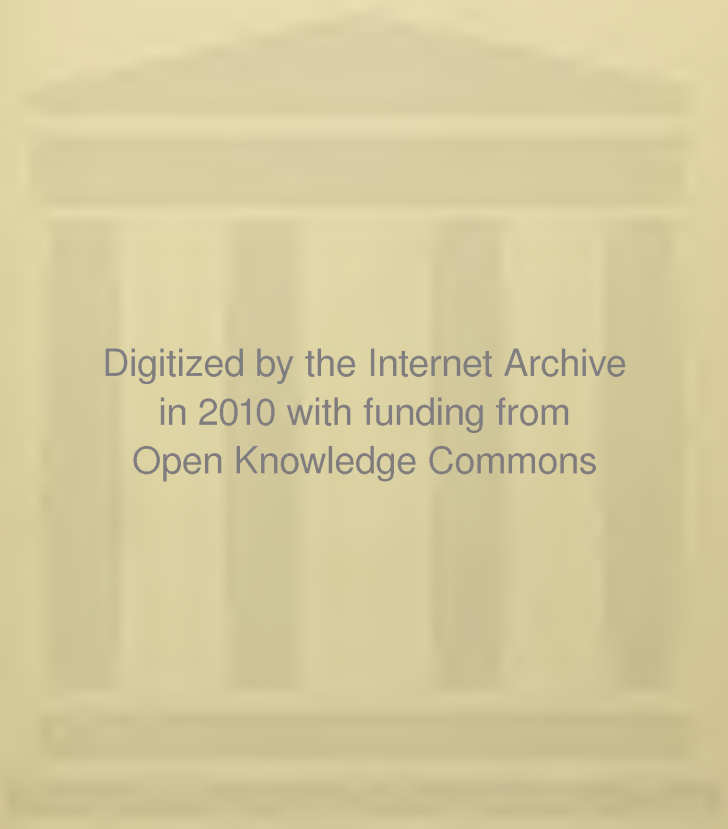
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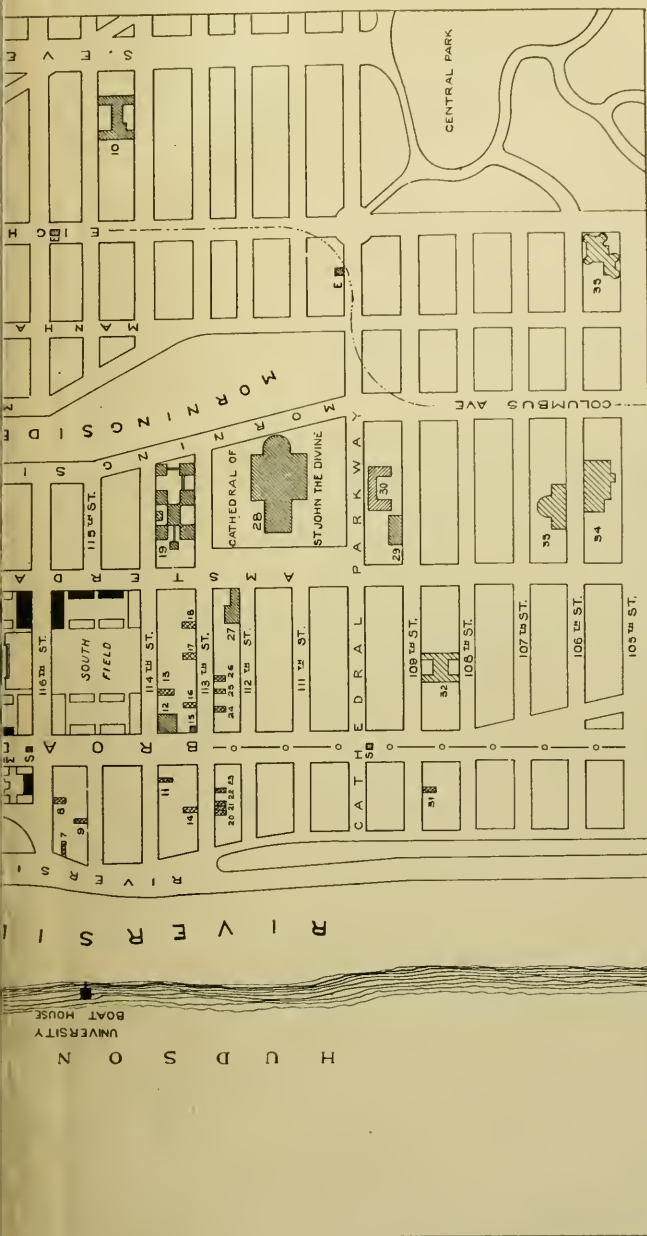




1. Speyer School
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8. Delta Phi
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12. St. Luke's Home

13. Phi Sigma Kappa
14. Theta Delta Chi
15. Corn Exchange Bank (University Branch)
16. Phi Delta Theta
17. Sigma Alpha Epsilon
18. Sigma Chi
19. St. Luke's Hospital
20. Theta Xi
21. Delta Tau Delta
22. Alpha Delta Phi
23. Delta Kappa Epsilon
24. Delta Upsilon

25. Phi Kappa Sigma  
26. Sigma Nu  
27. Home for Old Men and Aged Couples  
28. Crypt of Cathedral of St. John the Divine  
29. National Academy of Design  
30. Woman's Hospital  
31. Phi Kappa Psi  
32. Public School No. 165  
33. Home for the Aged of the Little Sisters of the Poor  
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A.B., Columbia, 1882; A.M., 1883; Ph.D., 1884; LL.D., Syracuse, 1898; Tulane, 1901; Johns Hopkins, Princeton, Yale, and University of Pennsylvania, 1902; Chicago, 1903; Manchester and St. Andrew's, 1905; Cambridge, 1907; Williams, 1908; Harvard and Dartmouth 1909; Litt.D., Oxford, 1905; Officier de Legion de l'Honneur, 1906.

### Professors

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- JAMES EARL RUSSELL.....Barnard Professor of Education  
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<sup>2</sup> Absent on leave first half-year.<sup>3</sup> Absent on leave second half-year.

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B.S., College of the City of New York, 1895; M.S., New York University, 1899;  
Ph.D., Columbia, 1902.
- EDWARD KASNER.....Adjunct Professor of Mathematics  
B.S., College of the City of New York, 1896; A.M., Columbia, 1897; Ph.D., 1899.
- ASHLEY HORACE THORNDIKE.....Professor of English  
A.B., Wesleyan, 1893; L.H.D., 1909; A.M., Harvard, 1896; Ph.D., 1898.
- WALTER RAUTENSTRAUCH.....Professor of Mechanical Engineering  
B.S., Missouri, 1902; M.S., Maine, 1903.

<sup>1</sup>Absent on leave 1909-10.



- HENRY JOHNSON.....Professor of History in Teachers College  
B.L., Minnesota, 1889; A.M., Columbia, 1902.
- MARY ADELAIDE NUTTING.....Professor of Household Administration  
in Teachers College
- EDWARD R. SMITH.....Reference Librarian, Avery Architectural  
Library  
A.B., Amherst, 1876.
- SIR CASPAR PURDON CLARKE .....Director of the Metropolitan  
Museum of Art
- EDWARD ROBINSON.....Assistant Director of the Metropolitan  
Museum of Art  
A.B. Harvard, 1879; LL.D., Aberdeen, 1905.
- NATHANIEL LORD BRITTON .....Director of the New York Botanical  
Garden  
E.M., Columbia, 1879; Ph.D., 1881; Sc.D., 1904.
- ANTON VORISEK.....Professor of Analytical Chemistry in the  
College of Pharmacy  
Phar.G., New York College of Pharmacy, 1898; Phar.D., 1902.
- FREDERICK ARTHUR GOETZE.....Dean of the Faculty of Applied  
Science and Consulting Engineer  
M.Sc., Columbia, 1905.
- FREDERICK PETERSON.....Professor of Psychiatry  
M.D., Buffalo, 1879; Ph.D., Niagara, 1893.
- JAMES D. VOORHEES.....Adjunct Professor of Obstetrics  
A.B., Princeton, 1890; A.M., 1893; M.D., Columbia, 1893.
- ROYAL WHITMAN.....Adjunct Professor of Orthopædic Surgery  
M.D., Harvard, 1882.
- PEARCE BAILEY.....Adjunct Professor of Neurology  
A.B., Princeton, 1886; A.M., 1889; M.D., Columbia, 1889.
- GEORGE R. LOCKWOOD.....Adjunct Professor of Clinical Medicine  
A.B., College of the City of New York, 1881; M.D., Columbia, 1884.
- WILLIAM K. DRAPER.....Adjunct Professor of Clinical Medicine  
A.B., Harvard, 1885; M.D., Columbia, 1888.
- VAN HORNE NORRIE.....Adjunct Professor of Clinical Medicine  
A.B., Columbia, 1885; M.D., 1889.
- DANIEL JORDAN.....Adjunct Professor of the Romance  
Languages and Literatures  
B.S., University of France, 1888; Pd.B., University of the State of New York,  
1893.
- ARTHUR F. J. REMY.....Adjunct Professor of Germanic Philology  
A.B., College of the City of New York, 1890; A.M., Columbia, 1897; Ph.D., 1901.
- WILLIAM CAMPBELL.....Adjunct Professor of Metallurgy  
B.S., Durham College of Science, 1898; Sc.D., 1905; M.Sc., Royal School of  
Mines, 1903; Ph.D., Columbia, 1903; A.M., 1905.
- WILLIAM PEPPERRELL MONTAGUE.....Adjunct Professor of  
Philosophy  
A.B., Harvard, 1896; A.M., 1897; Ph.D., 1898.

- WILLIAM W. LAWRENCE.....Adjunct Professor of English  
A.B., Bowdoin, 1898; A.M., Harvard, 1900; Ph.D., 1903.
- JAMES HOWARD MCGREGOR.....Adjunct Professor of Zoölogy  
B.S., Ohio State, 1894; A.M., Columbia, 1896; Ph.D., 1899.
- CHARLES A. BEARD.....Adjunct Professor of Politics  
Ph.B., De Pauw, 1898; A.M., Columbia, 1903; Ph.D., 1904.
- DICKINSON S. MILLER.....Professor of Philosophy  
A.B. and A.M., Harvard, 1892; Ph.D., Halle, 1893.
- GRACE A. HUBBARD.....Adjunct Professor of English in Barnard  
College  
A.B., Smith, 1887; A.M., Cornell, 1893.
- NATHAN ABBOTT.....Professor of Law  
A.B., Yale, 1877; LL.B., Boston University, 1893.
- SIMON BARUCH.....Professor of Hydrotherapy  
M.D., Virginia, 1862.
- SAMUEL McCUNE LINDSAY.....Professor of Social Legislation  
Ph.B., University of Pennsylvania, 1889; LL.D., 1909; Ph.D., Halle, 1892.
- WILLIAM MANSFIELD, Phar.D.....Professor of Pharmacognosy in the  
College of Pharmacy
- MRS. MARY K. SIMKHOVITCH....Adjunct Professor of Social Economy  
in Barnard College  
B.A., Boston University, 1890.
- GEORGE D. STRAYER.....Adjunct Professor of Elementary Education  
in Teachers College  
A.B., Johns Hopkins, 1903; Ph.D., Columbia, 1905.
- <sup>2</sup> HENRY SUZZALLO.....Professor of the Philosophy of Education  
in Teachers College  
A.B., Stanford, 1899; A.M., Columbia, 1902; Ph.D., 1905.
- MABEL F. WEEKS....Adjunct Professor of English in Barnard College  
A.B., Radcliffe, 1894.
- CLINTON B. KNAPP.....Professor of Bacteriology in the College of  
Pharmacy  
M.D., Columbia, 1902.
- HERMANN VON W. SCHULTE.....Adjunct Professor of Anatomy  
A.B., Trinity, 1897; M.D., Columbia, 1902.
- GEORGE T. JACKSON.....Professor of Dermatology  
M.D., Columbia, 1878.
- KENYON COX, N.A.....Professor of Painting
- DANIEL CHESTER FRENCH, N.A.....Professor of Sculpture  
A.M., Dartmouth.
- JOHN LA FARGE, N.A.....Professor of the Decorative Arts
- EDWARD LAWRENCE KURTZ.....Adjunct Professor of Mining  
E.M., Columbia, 1893.
- CARLTON CLARENCE CURTIS.....Adjunct Professor of Botany  
A.B., Syracuse, 1889; Ph.D., 1893; A.M., Columbia, 1892.
- S. ALFRED MITCHELL.....Adjunct Professor of Astronomy  
A.M., Queen's, 1894; Ph.D., Johns Hopkins, 1898.

<sup>2</sup> Absent on leave first half-year.

- WILLIAM R. WILLIAMS.....Adjunct Professor of Pharmacology  
and Therapeutics  
A.B., Williams, 1889; A.M., 1892; M.D., Columbia, 1895.
- ARTHUR L. WALKER.....Professor of Metallurgy  
E.M., Columbia, 1883.
- LUCIUS W. HOTCHKISS.....Adjunct Professor of Clinical Surgery  
A.B., Columbia, 1881; M.D., 1884.
- JOHN B. WALKER.....Adjunct Professor of Clinical Surgery  
A.B., Harvard, 1884; M.D., 1888.
- CHARLES NORTH DOWD.....Adjunct Professor of Clinical Surgery  
A.B., Williams, 1879; A.M., 1883; M.D., Columbia, 1886.
- AUGUSTUS B. WADSWORTH.....Adjunct Professor of Bacteriology  
B.S., Massachusetts Institute of Technology, 1893; M.D., Columbia, 1896.
- THEODORE C. JANEWAY...Bard Professor of the Practice of Medicine  
Ph.B., Yale, 1892; M.D., Columbia, 1895.
- EVAN M. EVANS.....Professor of Clinical Medicine  
B.S., Princeton, 1892; M.D., Columbia, 1895.
- CHARLES H. PECK.....Adjunct Professor of Clinical Surgery  
M.D., Columbia, 1892.
- MARIE REIMER...Adjunct Professor of Chemistry in Barnard College  
Ph. D., Bryn Mawr, 1904.
- GEORGE B. PEGRAM.....Adjunct Professor of Physics  
A.B., Trinity (N.C.), 1895; Ph.D., Columbia, 1903.
- CHARLES P. WARREN.....Adjunct Professor of Architecture  
Ph.B., Columbia, 1890; A.M., 1892.
- BERGEN DAVIS.....Adjunct Professor of Physics  
B.S., Rutgers, 1896; A.M., Columbia, 1900; Ph.D., 1901.
- KARL MAX VOGEL.....Adjunct Professor of Clinical Pathology  
Ph.G., New York College of Pharmacy, 1896; M.D., Columbia, 1900.
- GEORGE WINFIELD SCOTT.....Professor of International Law  
A.B., Leland Stanford, 1896; LL.B., Pennsylvania, 1901; Ph.D., 1902.
- JOHN ERSKINE.....Adjunct Professor of English  
A.B., Columbia, 1900; A.M., 1901; Ph.D., 1903.
- WILLIAM D. GUTHRIE.....Professor of Law  
A.M. (Hon.), Yale, 1904.
- OTTO JESPERSEN.....Professor of English Philology (1909-10)  
M.A., Copenhagen, 1887; Ph.D., 1891.
- WILLIAM DAWSON JOHNSTON.....Librarian of the University  
A.B., Brown, 1893; A.M., Harvard, 1898.
- ADAM LEROY JONES.....Chairman of Committee on Undergraduate  
Admissions and Adjunct Professor of Philosophy  
A.B., Williams, 1895; Ph.D., Columbia, 1898.
- WILLIAM G. MACCALLUM.....Professor of Pathology  
A. B., Toronto, 1894; M.D., Johns Hopkins, 1897.
- HENRY RAYMOND MUSSEY.....Adjunct Professor of Economics  
A.B., Beloit, 1900; Ph.D., Columbia, 1905.
- NAOMI NORSWORTHY...Adjunct Professor of Educational Psychology  
in Teachers College  
B.S. (in Education), Columbia, 1901; Ph.D., 1904.
- HUGH ANGUS STEWART.....Adjunct Professor of Pathology  
M.B., Ch.B., Edinburgh, 1904; M. R. C. P., 1906; M.D., 1907.

- JOHN W. ALEXANDER, N.A.....President of the National Academy of  
Design
- RAYMOND WEEKS.....Professor of the Romance Languages  
and Literatures  
A.B., Harvard, 1890; A.M., 1891; Ph.D., 1897.
- CARL RUNGE, Ph.D...Kaiser Wilhelm Professor of German History  
and Institutions for the year 1909-10  
Professor of Applied Mathematics in the University of Göttingen
- BENJAMIN IDE WHEELER, Ph.D., LL.D..Theodore Roosevelt Professor  
of American History and Institutions in the University of Berlin  
for the year 1909-10  
President of the University of California  
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### Special Lecturers for 1909-10

- HENRY J. FORD.....Lecturer on the George Blumenthal Foundation
- ARTHUR L. SMITH, M.A.....Lecturer on the Carpentier Foundation  
(2)

### Clinical Professors

- FRANCIS P. KINNICUTT.....Professor of Clinical Medicine  
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia, 1871.
- FRANK HARTLEY.....Professor of Clinical Surgery  
A.B., Princeton, 1877; LL.D., 1909; M.D., Columbia, 1880.
- JOHN S. THACHER.....Professor of Clinical Medicine  
A.B., Yale, 1877; M.D., Columbia, 1880.
- WALTER F. CHAPPELL.....Professor of Clinical Laryngology  
M.D., University of Toronto, 1879.
- PORTER F. CHAMBERS.....Professor of Clinical Gynecology  
M.D., Bellevue Hospital Medical College, 1876.
- FRANCIS HUBER.....Professor of Clinical Medicine  
B.S., College of the City of New York, 1873; M.D., College of Physicians and  
Surgeons, 1877.
- ALEXANDER B. JOHNSON.....Professor of Clinical Surgery  
Ph.B., Yale, 1882; M.D., Columbia, 1885.
- ROBERT LEWIS, JR.....Professor of Clinical Otology  
M.D., Columbia, 1885.
- OTTO G. T. KILIANI.....Professor of Clinical Surgery  
M.D., Halle, 1888.
- JACOB KAUFMANN.....Professor of Clinical Medicine  
M.D., Strassburg, 1885.
- RUDOLF C. DENIG.....Professor of Clinical Ophthalmology  
M.D., Würzburg, 1891.  
(11)

### Associates

- CHARLES T. POORE.....Associate in Clinical Surgery  
M.D., Columbia, 1866; A.M., Williams, 1891.
- ROBERT ABBE.....Associate in Clinical Surgery  
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.

- FRANK R. OASTLER.....Chief of Clinic and Associate in Gynecology  
A.B., Yale, 1891; M.D., Columbia, 1894.
- LINNAEUS EDFORD LA FETRA.....Chief of Clinic and Associate in  
Diseases of Children  
A.B., Wesleyan, 1891; M.D., Columbia, 1894.
- FRANK S. MATHEWS.....Associate in Gynecology  
B.S., Washington and Jefferson, 1890; M.D., Columbia, 1893.
- WALTER A. BASTEDO....Associate in Pharmacology and Therapeutics  
Ph.G., New York College of Pharmacy, 1894; M.D., Columbia, 1899.
- WILLIAM C. CLARKE.....Associate in Surgery  
M.D., Columbia, 1899.
- JOHN W. DRAPER MAURY.....Associate in Surgery  
M.D., New York University, 1898.
- HENRY S. PATTERSON.....Chief of Clinic and Associate in Applied  
Therapeutics  
A.B., Williams, 1896; M.D., Columbia, 1900.
- NELLIS B. FOSTER....Associate in Biological Chemistry and Assistant  
in Applied Therapeutics  
M.D., Johns Hopkins, 1902.
- LINSLEY RUDD WILLIAMS....Chief of Clinic and Associate in Medicine  
A.B., Princeton, 1895; M.D., A.M., Columbia, 1899.
- FREDERICK T. VAN BEUREN....Associate in Anatomy and Instructor  
in Surgery  
A.B., Yale, 1898; M.D., Columbia, 1902.
- DAVID BOVAIRD, Jr.....Associate in Medicine  
A.B., Princeton, 1889; M.D., Columbia, 1892.
- EDMUND L. DOW.....Associate in Medicine  
B.S., M.S., Syracuse, 1892; M.D., Columbia, 1895.
- GEORGE J. BAYLES.....Associate in Ecclesiology  
A.B., Columbia, 1891; A.M., 1892; LL.B., 1893; Ph.D., 1895.
- FELLOWES DAVIS, Jr.....Associate in Clinical Obstetrics  
M.D., Columbia, 1899.
- CHARLES BUXTON GOING.....Associate in Mechanical Engineering  
Ph.B., Columbia, 1882.
- CHARLES A. HARRIMAN.....Associate in Architecture
- GEORGE MONTAGUE SWIFT.....Associate in Clinical Medicine  
A.B., Amherst, 1876; A.M., 1879; M.D., Columbia, 1879.
- T. STUART HART.....Associate in Medicine  
A.B., Yale, 1891; A.M., 1893; M.D., Columbia, 1895.
- NATHANIEL B. POTTER.....Associate in Clinical Medicine  
A.B., Harvard, 1890; M.D., 1896.
- LEWIS F. FRISSELL.....Associate in Medicine  
A.B., Yale, 1895; A.M., 1897; M.D., Columbia, 1900.
- ALWIN M. PAPPENHEIMER.....Associate in Pathology  
A.B., Harvard, 1898; M.D., Columbia, 1902.
- FREDERICK TILNEY.....Associate in Anatomy  
A. B., Yale, 1897; M.D., Long Island College Hospital, 1903.
- JOHN V. VAN PELT.....Associate in Architecture  
Diplômé, École des Beaux-Arts, 1895.



- WENDELL T. BUSH.....Associate in Philosophy  
A.B., Brooklyn Polytechnic Institute, 1889; A. M., Harvard, 1898; Ph.D.,  
Columbia, 1905.
- WILLIAM ADAMS DELANO.....Associate in Architecture  
A.B., Yale, 1895.
- HARVEY W. CORBETT.....Associate in Architecture  
B.S., California, 1895; Diplôme École des Beaux-Arts, 1900.
- STANLEY R. BENEDICT.....Associate in Biological Chemistry  
A.B., Cincinnati, 1906; Ph.D., Yale, 1908.
- AUSTIN W. HOLLIS.....Associate in Clinical Medicine  
M.D., Columbia, 1890.
- DANIEL GREGORY MASON.....Associate in Music  
A.B., Harvard, 1895.
- FRANK E. WARD.....Associate in Music
- CYPRIEN O. MAILLOUX.....Associate in Electrical Engineering  
E.E., Brooklyn Polytechnic Institute, 1905; M.Sc. 1906.
- CHARLES C. RANSOM.....Associate in Clinical Medicine  
M.D., Buffalo, 1883.
- ALFRED STILLMAN.....Associate in Anatomy  
A.B., Harvard, 1903; M.D., Columbia, 1907.
- CHARLES H. BURNSIDE.....Associate in Physics  
B.S., Columbia 1898; A.M., 1899.
- J. S. SHEARER.....Associate in Physics  
B.S., Cornell, 1893; Ph.D., 1901.
- NORBERT STADTMÜLLER.....Associate in Clinical Medicine  
M.D., Munich, 1889.
- ISAAC LEVIN.....Associate in Pathology  
M.D., St. Petersburg, 1890.
- EDWARD W. SCRIPTURE.....Associate in Pathological Psychiatry  
Ph.D., Leipzig, 1891; M.D., Munich, 1906.
- (40)

### Instructors

*Note*—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and those of the Summer Session and Extension Teaching, see the Table of Contents.

- RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
- CHARLES CONRAD SLEFFEL..Instructor in Manual Training in Teachers  
College
- CHARLES W. WEICK, B.S.....Instructor in Wood-working and  
Pattern-making in Teachers College
- WALTON MARTIN, M.D.....Instructor in Clinical Surgery
- ALBERT E. SUMNER, M.D.....Instructor in Medicine
- E. MILTON FOOTE, M.D.....Instructor in Clinical Surgery
- ALFRED S. TAYLOR, M.D.....Instructor in Surgery
- ARTHUR M. SHRADY, M.D.....Chief of Clinic and Instructor in  
Hydrotherapy
- RICHARD H. CUNNINGHAM, M.D.....Chief of Clinic and Instructor in  
Neurology

HENRY WOOLFE BERG, M.D.....	Instructor in Diseases of Children
CHARLES C. TROWBRIDGE, M.S., Sc.D.....	Instructor in Physics
A. EMIL SCHMITT, M.D.....	Instructor in Surgery
WARD A. HOLDEN, M.D.....	Chief of Clinic and Instructor in Ophthalmology
HOWARD C. TAYLOR, M.D.....	Instructor in Clinical Gynecology
HENRY H. TYSON, M.D.....	Instructor in Ophthalmology
CLARENCE A. MCWILLIAMS, M.D....	Instructor in Clinical Surgery
ADRIAN VAN SINDEREN LAMBERT, M.D..	Chief of Clinic and Instructor in Surgery
ADAM M. MILLER, A.M.....	Instructor in Anatomy
EUGENE HILLHOUSE POOL, M.D....	Instructor in Clinical Surgery
OLIVER S. STRONG, Ph.D.....	Instructor in Anatomy
GEORGE SLOAN DIXON, M.D...	Chief of Clinic and Instructor in Otology
JOHN HOWLAND, M.D.....	Instructor in Diseases of Children
JAMES A. MILLER, M.D.....	Instructor in Clinical Medicine
CHARLES J. PROBEN, M.D.....	Instructor in Gynecology
GEORGE H. RYDER, M.D.....	Instructor in Gynecology
WILLIAM SKARSTROM, M.D.....	Instructor in Physical Education
SAMUEL W. THURBER, M.D.....	Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D.....	Instructor in Clinical Surgery
FRED. P. SOLLEY, M.D.....	Instructor in Medicine
GERTRUDE M. HIRST, Ph.D.....	Instructor in Classical Philology in Barnard College
EDWARD L. HUNT, M.D.....	Instructor in Neurology
ROWLAND COX, M.D.....	Instructor in Surgery
JAMES H. KENYON, M.D.....	Instructor in Surgery
WILHELM ALFRED BRAUN, Ph.D.....	Instructor in the Germanic Languages and Literatures
MORTON ARENDT, E.E.....	Instructor in Electrical Engineering
WALTER S. REYNOLDS, M.D.....	Chief of Clinic and Instructor in Genito-Urinary Diseases
CHARLES H. JAEGER, M.D.....	Chief of Clinic and Instructor in Orthopædic Surgery
EVERETT J. HALL.....	Instructor in Assaying
TRACY ELLIOT HAZEN, Ph.D.....	Instructor in Botany
CHARLES P. BERKEY, Ph.D.....	Instructor in Geology
FLOYD J. METZGER, Ph.D.....	Instructor in Analytical Chemistry
HOWARD D. COLLINS, M.D.....	Instructor in Clinical Surgery
RAYMOND C. OSBURN, Ph.D.....	Instructor in Zoölogy
HARRY L. PARR, A.B., Mech.E.....	Instructor in Mechanical Engineering
T. LAURANCE SAUNDERS, M.D.....	Instructor in Otology
HARMON SMITH, M.D.....	Instructor in Clinical Laryngology

JOHN H. P. HODGSON, M.D.....	Chief of Clinic and Instructor in Dermatology
SAMUEL OSGOOD MILLER, C.E.....	Instructor in Drawing
EDWARD F. KERN, B.S., Ph.D.....	Instructor in Metallurgy
D. STUART DODGE JESSUP, M.D....	Instructor in Clinical Pathology and Assistant in Medicine
HANS ZINSSER, A.M., M.D....	Instructor in Bacteriology and Hygiene
JAMES I. RUSSELL, M.D.....	Instructor in Clinical Surgery
WILLIAM BLANCARD, M.D.....	Instructor in Genito-Urinary Diseases
MATTHEW STEEL, M.S., Ph.D.....	Instructor in Biological Chemistry
EDWARD KNIGHT JUDD, A.B., E.M.....	Instructor in Mining
ARTHUR S. VOSBURGH, M.D.....	Instructor in Surgery
PERCY HERBERT WILLIAMS, M.D.....	Instructor in Gynecology
KARL A. CONNELL, M.D.....	Instructor in Surgery
HERBERT S. CARTER, M.D.....	Instructor in Clinical Medicine
HUGH B. BLACKWELL, M.D.....	Instructor in Otology
WILBUR WARD, M.D.....	Instructor in Obstetrics
WILLIAM DARRACH, M.D.....	Instructor in Clinical Surgery
HAVEN EMERSON, M.D..	Instructor in Medicine and Demonstrator of Physiology
THOMAS H. HARRINGTON, C.E.....	Instructor in Drawing
HAL T. BEANS, Ph.D.....	Instructor in Analytical Chemistry
HENRI F. MULLER, B. ès L..	Instructor in the Romance Languages and Literatures
T. LESLIE SHEAR, Ph.D.....	Instructor in Classical Philology
CHARLES E. MORRISON, Ph.D.....	Instructor in Civil Engineering
JOHN L. GERIG, Ph.D...	Instructor in the Romance Languages and Literatures
LEIGHTON B. MORSE, Ph.D.....	Instructor in Physics
HARRY MORGAN AYRES, Ph.D.....	Instructor in English
FRED H. ALBEE, M.D.....	Instructor in Orthopædic Surgery
ALFRED P. LOTHROP, Ph.D.....	Instructor in Biological Chemistry
HERMAN O. MOSENTHAL, M.D....	Instructor in Biological Chemistry and Assistant in Medicine
HUGH AUCHINCLOSS, M.D.....	Instructor in Pathology and in Surgery
FREDERICK H. BARTLETT, M.D....	Instructor in Diseases of Children
CAMILLE FONTAINE, B. ès L...	Instructor in the Romance Languages and Literatures
CHARLES C. GROVE, Ph.D.....	Instructor in Mathematics
THOMAS MCCHEYNE GUNN, A.M.....	Instructor in Mechanical Engineering
FREDERIC MOIR HANES, M.D.....	Instructor in Pathology
HENRY H. JANEWAY, M.D.....	Instructor in Surgery



CHARLES CHRISTIAN LIEB, M.D...Instructor in Pharmacology and  
Therapeutics  
RALPH W. LOBENSTINE, M.D.....Instructor in Gynecology  
JOHN H. MORECROFT, E.E., B.S..Instructor in Electrical Engineering  
EDWARDS A. PARK, M.D.....Instructor in Pathology  
HAROLD WORTHINGTON WEBB, Ph.D.....Instructor in Physics  
HERMANN FISCHER, M.D.....Instructor in Clinical Surgery  
DE WITT STETTEN, M.D.....Instructor in Clinical Surgery  
OTTO M. SCHWERDTFEGER, M.D.....Instructor in Clinical Medicine  
JULES V. HABERMAN, M.D... ..Instructor in Neurology  
(90)

#### Demonstrators

LEANDER H. SHEARER, M.D.....Demonstrator of Physiology and  
Assistant in Medicine  
ARTHUR WALKER BINGHAM, M.D.....Demonstrator of Physi-  
ology and Assistant in Diseases of Children  
HARRY M. KEATOR, M.D.....Demonstrator of Physiology  
RALPH G. STILLMAN, M.D.....Demonstrator of Physiology  
WILLIAM K. TERRIBERRY, M.D.....Demonstrator of Physiology  
(5)

#### Tutors

CAVALIER HARGRAVE JOÛET, Ph.D....Tutor in Analytical Chemistry  
ARTHUR COLON NEISH, Ph.D.....Tutor in Chemistry  
ROSCOE GUERNSEY, Ph.D.....Tutor in Greek  
ELEANOR KELLER, A.B.....Tutor in Chemistry in Barnard College  
MAURICE A. LAMME, Ph.D.....Tutor in Mineralogy  
FREDERICK W. J. HEUSER, A.M.....Tutor in the Germanic  
Languages and Literatures  
ARTHUR RAY MAXSON, A.M.....Tutor in Mathematics  
IDA HELEN OGILVIE, Ph.D.....Tutor in Geology in Barnard College  
ALVAN A. TENNEY, Ph.D.....Tutor in Sociology  
LEWIS P. SICLOFF, A.B.....Tutor in Mathematics  
HAROLD C. BROWN, Ph.D.....Tutor in Philosophy  
PAULINE HAMILTON DEDERER, A.M....Tutor in Zoölogy in Barnard  
College  
ALEXANDER O. BECHERT, A.M....Tutor in the Germanic Languages  
and Literatures  
MARION E. LATHAM, A.M.....Tutor in Botany in Barnard College  
OTTO KRESS, Ph.D.....Tutor in Chemistry  
ALLEN W. PORTERFIELD, A.M.....Tutor in the Germanic Languages  
and Literatures  
EDGAR H. STURTEVANT, Ph.D.....Tutor in Classical Philology  
WILLIAM C. KRATHWOHL, A.B.....Tutor in Mathematics

DINO BIGONGIARI, A.B.....	Tutor in the Romance Languages and Literatures
ALLAN F. WESTCOTT, A.M. ....	Tutor in English
MAUDE A. HUTTMANN, A.M....	Tutor in History in Barnard College
CHESTER A. DARLING, Ph.D.....	Tutor in Botany
GRACE LANGFORD, S.B.....	Tutor in Physics in Barnard College
BAYARD BOYESEN, A.B.....	Tutor in English
JOHN W. TAYLOR, A.M.....	Tutor in English
WILLIAM F. COOLEY, Ph.D.....	Tutor in Philosophy
HARRISON R. STEEVES, A.M.....	Tutor in English
CHARLES W. THOMAS, Mech. E.....	Tutor in Mechanical Engineering
JOHN MAURICE NELSON, Ph.D.....	Tutor in Organic Chemistry
HERMON W. FARWELL, A.M.....	Tutor in Physics
HARRY L. HOLLINGSWORTH, Ph.D.....	Tutor in Psychology
HARRY WILFRED REDDICK, A.M.....	Tutor in Mathematics
EDWARD D. THURSTON, Jr., A.B., Mech.E.....	Tutor in Mechanical Engineering
LOUISE HOYT GREGORY, Ph.D....	Tutor in Zoölogy in Barnard College
FREDERICK W. HEHRE, E.E.....	Tutor in Electrical Engineering
A. ARTHUR LIVINGSTON, A.B....	Tutor in the Romance Languages and Literatures
WILLIAM CABLER MOORE, B.S.....	Tutor in Analytical Chemistry
A. IRA PRETTYMAN.....	Tutor in Physical Education
HENRY H. L. SCHULZE, A.M....	Tutor in the Germanic Languages and Literatures
J. ENRIQUE ZANETTI, Ph.D.....	Tutor in Analytical Chemistry

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## Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.....	Lecturer in Oriental Languages
ERNST D. RICHARD, Pd.D.....	Lecturer on the History of German Civilization
<sup>1</sup> CHARLES FORBES, M.D.....	Curator in Physics
ADOLPH F. BANDELIER.....	Lecturer in American Archæology
ALGERNON DE V. TASSIN, A.M.....	Lecturer in English
MYRON SAMUEL FALK, Ph.D.....	Lecturer in Civil Engineering
GOLDTHWAITE H. DORR, A.B., LL.B.....	Lecturer in Law
FRANCIS A. NELSON, B.S..	Diplômé E.D.B.-A. Lecturer in Architecture
CARLTON HUNTLEY HAYES, Ph.D.....	Lecturer in History
WILLIAM S. DAY, Ph.D.....	Lecturer in Physics
WILLIAM K. GREGORY, A.M.....	Lecturer in Zoölogy
EUGENE E. AGGER, Ph.D.....	Lecturer in Political Economy
VIRGINIA C. GILDERSLEEVE, Ph.D....	Lecturer in English in Barnard College

<sup>1</sup> Absent on leave 1909-10.

ELIHU C. CHURCH, C.E.	Lecturer in Civil Engineering
CHARLES DAY, M.E.	Lecturer in Mechanical Engineering
LOUIS DOELLING	Lecturer in Mechanical Engineering
FRED. J. MILLER	Lecturer in Mechanical Engineering
FRED. W. O'NEIL	Lecturer in Mechanical Engineering
FRED. OPHULS, M.E.	Lecturer in Mechanical Engineering
WILLIAM P. WHITE	Lecturer in Mechanical Engineering
THOMAS W. LUDLOW, B.S., A.M.	Lecturer in Architecture
HERBERT A. CLARK, B.S., A.M.	Lecturer in Physics
JOHN G. CALLAN, B.S.	Lecturer in Mechanical Engineering
CARL F. L. HUTH, A.M.	Lecturer in History
LOUIS C. LOEWENSTEIN, E.E., Ph.D.	Lecturer in Mechanical Engineering
CARLOTTA J. MAURY, Ph.D.	Lecturer in Geology in Barnard College
WALTER B. PITKIN, A.B.	Lecturer in Philosophy
EDWARD MCCHESENEY SAIT, A.M.	Lecturer in Public Law
BRANDETH SYMONDS, M.D.	Lecturer on Life Insurance
ELVIRA WOOD, A.M.	Curator in Palæontology
SIDNEY ZANDSTRA, Ph.D.	Gustav Gottheil Lecturer in Semitic Languages
HUGH AIKMAN	Lecturer in Mechanical Engineering
FRANK F. ALMY	Lecturer in Physics
DUDLEY B. BULLARD	Lecturer in Mechanical Engineering
C. E. COOLIDGE	Lecturer in Mechanical Engineering
G. N. JEPSON	Lecturer in Mechanical Engineering
C. H. NORTON	Lecturer in Mechanical Engineering
H. F. STIMPSON	Lecturer in Mechanical Engineering
C. W. STONE	Lecturer in Mechanical Engineering
JUDAH A. JOFFEE, A.B.	Lecturer in Russian
CHARLES A. HAGUE	Lecturer in Mechanical Engineering
JOSEPH JASTROW, Ph.D.	Lecturer in Psychology
J. WARING PARKS, A.B., LL.B.	Lecturer in Business Law
RALPH W. GIFFORD, A.B., LL.B.	Lecturer in Law

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#### Assistants

WILLIAM C. UHLIG, Ph.D.	Assistant in Analytical Chemistry
CHARLES H. SMITH, M.D.	Assistant in Anatomy
JAMES S. MACGREGOR, M.S.	Assistant in Civil Engineering
PETER IRVING, M.D.	Assistant in Clinical Pathology
CURTENIUS GILLETTE, M.D.	Assistant in Clinical Medicine
ISAAC OGDEN WOODRUFF, M.D.	Assistant in Clinical Medicine
CHARLES S. FISCHER, Ph.D., M.D.	Assistant in Medicine
EDWARD CUSSLER, M.D.	Assistant in Clinical Pathology

FRANCIS S. FOOTE, JR., E.M.	Assistant in Civil Engineering
SIDNEY V. HAAS, M.D.	Assistant in Diseases of Children
HOWARD H. MASON, M.D.	Assistant in Medicine
WILLARD L. SEVERINGHAUS, A.M.	Assistant in Physics
HERBERT B. WILCOX, M.D.	Assistant in Diseases of Children
ALFRED HOFFMAN, Ph.D.	Assistant in Organic Chemistry
ROBERT M. BROWN, A.B., M.D.	Assistant in Clinical Obstetrics
FREDERICK JAMES BARRETT, M.D.	Assistant in Medicine
LILIAN BRANDT, M.A.	Assistant in Social Economy
JOSEPH V. BREITWIESER, A.M.	Assistant in Psychology
ALICE DOROTHY BREWSTER, A.M.	Assistant in English in Barnard College
WALTER H. EDDY, Ph.D.	Assistant in Biological Chemistry
MRS. JULIANA HASKELL, Ph.D.	Assistant in German in Barnard College
WILLIAM W. HERRICK, M.D.	Assistant in Medicine
MARGARET A. KINGSLEY, A.B.	Assistant in Botany in Barnard College
JOHN MCCHESENEY, A.B.	Assistant in Philosophy
CHARLES J. OGDEN, LL.B., Ph.D.	Assistant in Classical Philology
GAILLARD S. ROGERS, A.B.	Assistant in Mineralogy
LEWIS M. SILVER, M.D.	Assistant in Diseases of Children
HENRY JAMES SPENCER, A.M.	Assistant in Zoölogy
LEON E. PENDER, A.M.	Assistant in Physics
WILLIAM S. NELMS, A.M.	Assistant in Physics
FAREL L. JOUARD, Ph.D.	Assistant in Electro-Chemistry
DAVID E. RICE, A.M.	Assistant in Psychology
RANSOM S. HOOKER, M.D.	Assistant in Surgery
JAMES R. WHITING, M.D.	Assistant in Surgery
MAX SCHULMAN, M.D.	Assistant in Applied Therapeutics
CHARLES R. L. PUTNAM, M.D.	Assistant in Anatomy
FREDERICK B. HUMPHREYS, M.D.	Assistant in Bacteriology
ALBERT C. BOYLE, Jr., B.S., M.E.	Assistant in Geology
ALFRED JEROME BROWN, M.D.	Assistant in Anatomy
JOSEPH S. CORBETT, A.B.	Assistant in Mathematics
BERNARD O. DODGE, Ph.B.	Assistant in Botany
MAX F. EASTMAN, A.B.	Assistant in Philosophy
FRANK ERDWURM, M.D.	Assistant in Clinical Medicine
JAMES E. GRAY, A.B.	Assistant in Mathematics
HENRY E. HALE, M.D.	Assistant in Applied Therapeutics
WILLIAM HALLER, A.B.	Assistant in English
JOHN A. HOAG, C.E.	Assistant in Drawing
JESSE E. HYDE, A.B.	Assistant in Palæontology
BURTON W. KENDALL, S.B.	Assistant in Physics
CHARLES W. MCKONE, A.M.	Assistant in Analytical Chemistry
FRANK L. MASON, E.E.	Assistant in Electrical Engineering
WALTER ALFRED MITCHELL, A.B.	Assistant in Physics

LEONARD D. NORSWORTHY, C.E. . . . . Assistant in Civil Engineering  
JULIET STUART POINTS, A.B. . Assistant in History in Barnard College  
JACOB ROSENBLUM, M.D., Ph.D. . . . Assistant in Biological Chemistry  
ANCEL ST. JOHN, Ph. B. . . . . Assistant in Physics  
EDNA R. SCALES, A.B. . Assistant in Mathematics in Barnard College  
RALPH H. SHERRY, A.M. . . . . Assistant in Metallurgy  
AARON FRANKLIN SHULL, A.B. . . . . Assistant in Zoölogy  
CECILIA M. SILLCOX, A.B. . Assistant in Chemistry in Barnard College  
ANDREW W. JACKSON, A.M. . . . . Assistant in Physics  
EDGAR G. THOMSEN, A.M. . . . . Laboratory Assistant in Physical  
Chemistry  
HUGH H. CALDWELL, A.B. . . . . Assistant in English  
ELIZABETH C. COOK, A.M. . . . Assistant in English in Barnard College  
FREDERICK P. WHITAKER, LL.B. . . . . Assistant in Law  
ISADOR GREENWALD, B.S. . . . . Assistant in Biological Chemistry  
BENJAMIN G. FEINBERG, B.S. . . . . Laboratory Assistant in Industrial  
Chemistry  
EDGAR M. FLINT, B.S. . Laboratory Assistant in Quantitative Analysis

### CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

### In Medicine

HERMAN EICHHORN, M.D.	ALFRED C. HENDERSON, M.D.
JULIUS W. WEINSTEIN, M.D.	D. CLIFFORD MARTIN, M.D.
LOUIS H. SCHWARTZ, M.D.	ARTHUR MIDDLETON JACOBUS, M.D.
MORRIS D. KELLER, M.D.	WALTER B. MOUNT, M.D.
GEORGE LICHTENSTEIN, M.D.	AUGUSTUS E. BIESER, M.D.
ARMISTEAD C. CRUMP, M.D.	EARL W. KOBLER, M.D.
JOSEPH CASPAR, M.D.	EDWARD E. MYERS, M.D.
J. W. DOUNCE, M.D.	H. AUSTIN COSSITT, M.D.

## In Surgery

ALFRED RAABE, M.D.                      HENRY V. HOLCOMB, M.D.  
NOEL B. LEGGETT, M.D.

## In Orthopædic Surgery

SIGMUND EPSTEIN, M.D. IRVING STEINHARDT, M.D.  
WILLIAM FRIEDER, M.D.



**In Neurology**

CHARLES E. ATWOOD, M.D.  
 L. P. CLARK, M.D.  
 H. R. HUMPHRIES, M.D.  
 G. W. TODD, M.D.  
 E. J. McENTEE, M.D.

J. E. CLARK, M.D.  
 J. L. MACUMBER, M.D.  
 CHRISTOPHER C. BELING, M.D.  
 WILLIAM V. B. GARRETSON, M.D.  
 SMITH ELY JELLIFFE, M.D.

**In Gynecology**

WILLIAM L. BRADLEY, M.D.      HAROLD D. MEEKER, M.D.  
 AUGUSTINE W. ROFF, M.D.

**In Ophthalmology**

CHRISTOPHER J. ASTLE, M.D.      GERALD H. GROUT, M.D.  
 NATHAN GOODFRIEND, M.D.      PHILIP CONBOY, M.D.

**In Laryngology**

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. COLL, M.D.      C. D. VAN WAGENEN, M.D.  
 JOHN LESHURE, M.D.      T. JOSEPH BARRY, M.D.  
 F. CONGER SMITH, M.D.      CHARLES OSGOOD, M.D.  
 IRVING W. VOORHEES, M.D.      CHARLES A. WHITING, M.D.

**In Otology**

MATTHEW L. CARR, M.D.      ALFRED MICHAELIS, M.D.

**In Dermatology**

JOHN ALDRICH, M.D.      CHARLES T. DADE, M.D.  
 J. D. GOLD, M.D.      S. DANA HUBBARD, M.D.  
 GEORGE HOWARD FOX, M.D.      SELDEN IRWIN RAINFORTH, M.D.  
 CHARLES WOOD McMurtry, M.D.

**In Diseases of Children**

A. B. YARD, M.D.      M. H. SICARD, M.D.  
 IRA S. WILE, M.D.      CHARLES HERRMAN, M.D.  
 IRVING D. STEINHARDT, M.D.      GEORGE AUGUSTUS SCHNEPEL, M.D.  
 P. CLINTON PUMYEA, M.D.      B. WALLACE HAMILTON, M.D.  
 WILLIAM V. P. GARRETSON, M.D.      EDWIN A. RIESENFELD, M.D.

**In Genito-Urinary Diseases**

WALTER B. BROUNER, M.D.      JAMES ALBERT COWAN, M.D.  
 S. W. FOWLER, M.D.      J. EMMET TOWER, M.D.  
 BERNARD KOHN, M.D.      MAYNARD S. OWEN, M.D.  
 JOHN C. MCCARTHY, M.D.

**In Applied Therapeutics**

F. G. GOODRIDGE, M.D.	ALEXANDER GOLDMAN, M.D.
MORRIS FINK, M.D.	ARTHUR L. HUTTON, M.D.
WILLIAM B. BOYD, M.D.	DAVENPORT WHITE, M.D.
MAX NISSELSOHN, M.D.	JESSE FLEET SAMMIS, M.D.
DAVID J. KALISKI, M.D.	PAUL BARTHOLOW, M.D.
HENRY M. MORETSKY, M.D.	FRANKLIN M. CLASS, M.D.

**In Hydrotherapy**

ALBERT J. WITTSON, M.D.
CHARLES D. CLEGHORN, M.D.
SHIRLEY W. WYNNE, M.D.

**In Psychiatry**

MENAS S. GREGORY, M.D.	C. F. HAVILAND, M.D.
ABRAHAM BRILL, M.D.	ROBERT EDWARD POE, M.D.





# Columbia University in the City of New York

## GENERAL STATEMENT

On October 31, 1754, Letters Patent were issued incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the es-  
tablishment of a College to be known as King's College Historical<sup>1</sup>

"for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter." The Revolutionary War interrupted the active work of the College, which numbers Alexander Hamilton, of the Class of 1774, among its graduates.

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of King's College in the Regents, and changing the name of the College to Columbia College. In 1787,

<sup>1</sup> The attention of those interested in the historical development of the University is called to *The History of Columbia University, 1754-1904* (pp. xlii + 493), published in Commemoration of the One Hundred and Fiftieth Anniversary of the Founding of King's College, by the Columbia University Press through The Macmillan Co., New York, and to various articles in the *Columbia University Quarterly*.

this was repealed, and a statute passed confirming the charter of 1754 for Columbia College, and specifying "that the style of the said corporation shall be, The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate property is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University. In 1909 provision was made for the nomination by the Alumni of six of the twenty-four Trustees (see p. 444).

In 1896, the Trustees approved the use of the title Columbia University in the City of New York, and in 1897 the work of the University was begun at Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The Treasurer of the corporation elected by the Trustees has charge of the financial administration of the University. The other principal administrative officers are the Deans, and the Directors of the Summer Session and of Extension Teaching, who under the general supervision of the President have immediate charge of the Educational work of the University; the Librarian, the Chaplain, the Consulting Engineer, the Secretary of the University, the Registrar, the Alumni Secretary, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL (see p. 3) is a representative body consisting of the President, the Deans, certain other executive officers, and two members elected from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (a) to control the award of the higher degrees, to secure the correlation of courses with a view to increasing the efficiency and enlarging the range of University work, to encourage original research, and to adjust all questions involving more than one faculty; (b) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (c) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government (see page 413).

The University includes the following:

COLUMBIA COLLEGE (see p. 190) offers a program of studies, leading to the degrees of Bachelor of Arts and Bachelor of Science.

Emphasis is placed upon the quality of the student's work rather than upon the time spent in residence, and this combined with the close co-ordination of the work of the Summer Session with that of the Col-

lege makes it possible for a well prepared candidate to complete the requirements for the bachelor's degree in three and one-half or three years. The program provides not only for those students who wish to devote their entire time to undergraduate work, but for those who desire during their collegiate residence to prepare themselves for advanced standing in some professional course of study. As a preliminary to any professional courses the University strongly recommends at least two years of collegiate work, and candidates for professional degrees who are not already college graduates are advised to take advantage of the opportunities offered through Columbia College for a combination of general and professional studies which will lead to the bachelor's degree in arts or science, in addition to a professional degree in law, medicine, mining, engineering and chemistry, teaching, or fine arts, in six years.

**BARNARD COLLEGE** (see p. 323), founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation to the educational system of Columbia University as does Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts or Bachelor of Science is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College. (For the regulations governing candidates for an academic degree and a diploma in teaching, see p. 329.)

The other faculties of the University offer advanced courses of study and investigation leading to appropriate degrees and certificates in (a) law, (b) medicine, (c) philosophy, education, philology, and letters, (d) history, economics and social science, and public law, (e) mathematics and natural science, (f) mines, engineering, and chemistry, (g) fine arts, and (h) pharmacy. Women students are not admitted to the courses in law, medicine, or engineering.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the degrees of Master of Arts and Doctor of Philosophy (see p. 183). Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

**THE FACULTY OF PHILOSOPHY** (see p. 269), in philosophy and education, psychology and anthropology, classical philology, English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

**THE FACULTY OF POLITICAL SCIENCE** (see p. 266), in history and political philosophy, economics and social science, and public law and comparative jurisprudence;

**THE FACULTY OF PURE SCIENCE** (see p. 272), in mathematics, astron-

omy, physics (mathematical and experimental), chemistry, mineralogy, geology, zoölogy, botany, psychology, physiology, anatomy, bacteriology, embryology, biological chemistry, pathology, and engineering in its various branches;

THE SCHOOL OF LAW (see p. 210), established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws;

THE COLLEGE OF PHYSICIANS AND SURGEONS (see p. 223), founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine;

THE SCHOOL OF MINES (see p. 240), founded in 1863, offers four-year courses of study in mining and metallurgical engineering, leading to a professional degree;

THE SCHOOLS OF ENGINEERING AND CHEMISTRY (see p. 240), set off from the School of Mines in 1896, offer four-year courses, leading to appropriate professional degrees in chemistry and chemical engineering and in civil, sanitary, electrical, and mechanical engineering; similar courses in forest and agricultural engineering are in process of organization;

THE FACULTY OF FINE ARTS (see p. 305), was organized in 1906 and given jurisdiction over the following Schools: Architecture (founded as a department in 1880), Music (founded as a department in 1896), Design (1906); and offers courses of study of indeterminate length, leading to appropriate degrees and certificates in Architecture and Music, and, in co-operation with the National Academy of Design (see p. 314), to a certificate in Design;

TEACHERS COLLEGE (see p. 342), founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation, but takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (a) graduate courses leading to the doctor's diploma or to the master's diploma; and simultaneously to the master's and doctor's degrees under the faculty of Philosophy; (b) professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in fine arts, household arts, industrial arts, music, and physical education; and to the degree of Bachelor of Science in Education;

THE COLLEGE OF PHARMACY (see p. 375), is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with Mr. Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a SCHOOL OF JOURNALISM, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.



In co-operation with Yale University, courses are offered designed to prepare students for work in foreign countries, either in the service of the United States Government or otherwise (see p. 267).

A provisional course of study in PREVENTIVE MEDICINE has been approved and the courses will be put into operation when the necessary funds have been made available.

The University maintains a SUMMER SESSION (see p. 385), of six weeks' duration, in which are offered courses that are accepted in partial fulfilment of the requirements of certain academic degrees and of the diplomas in teaching. The same academic standards are maintained as in the courses offered from September to June.

Through its system of EXTENSION TEACHING (see p. 389), the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

The several Departments of Study maintained by the University, including Barnard College, Teachers College, and the College of Pharmacy, grouped in divisions, are as follows:

BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Pathology, Embryology, Biological Chemistry, and Zoölogy.

CHEMISTRY: Chemistry and Biological Chemistry.	Departments and
CLASSICAL PHILOLOGY: Greek and Latin.	Divisions

EDUCATION (FACULTY OF TEACHERS COLLEGE).

ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

FINE ARTS (FACULTY OF FINE ARTS): Architecture, Comparative Literature, Fine Arts, and Music.

GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography and Mineralogy.

HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, and Physics.

MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

MINING AND METALLURGY: Metallurgy and Mining.

MODERN LANGUAGES AND LITERATURES: Comparative Literature, English, Celtic, Germanic, and Romance Languages.

ORIENTAL LANGUAGES: Chinese, Indo-Iranian, and Semitic Languages.

PHARMACY (COLLEGE OF PHARMACY).

PHILOSOPHY, PSYCHOLOGY, AND ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

PHYSICAL EDUCATION: Physical Education.

PRIVATE LAW (FACULTY OF LAW).

The Announcements of each College or School, of the Summer Session, of Extension Teaching, and of the several Divisions, are issued annually or biennially in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University.

Announcements

## GENERAL REGULATIONS

### STATUS OF STUDENTS

A student may enter Columbia University as either:

1. A matriculated student accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree, certificate of proficiency, or diploma. A period of regular attendance upon all stated academic exercises<sup>1</sup> amounting to at least one academic year must be completed by each candidate; or:

2. A non-matriculated student, permitted to attend such courses as he may be qualified to take but not regarded as a candidate for a degree, certificate of proficiency, or diploma. Non-matriculated students may, however, receive a formal statement as to the satisfactory completion of any course or courses.

In the announcement of each faculty will be found the conditions governing the admission of matriculated and non-matriculated students to courses under that faculty.

Under the Statutes every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline and to authorize the Deans of the several faculties to do so on his behalf.

### REGISTRATION

Before attending any University exercises each student must register, *i. e.* must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see p. 39). The central office of the Registrar, 201 East Hall, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, at the College of Pharmacy, 115 West 68th Street, and at Barnard College and Teachers College, will be open for registration on February 5, 1910, from September 21 to September 27, 1910, and on February 7, 1911. New students may

<sup>1</sup> Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance, should make application to the appropriate University authority for equitable relief.

also register on the day following each of these periods. Those unable to complete their registration may file a provisional statement within the statutory period. Students registering late are charged an additional fee of \$5.00 and are held accountable for absences thus incurred.

To qualify for the receipt of their stipends, Fellows and Scholars must report to the Registrar upon the first day of each half-year.

The requirements for graduation may be completed at any time during the year, but diplomas are issued only at commencement and at the beginning of each half-year.

### Withdrawal

An honorable discharge is granted to any adult student in good standing who may desire to withdraw from the University; a minor must submit the written assent of his parent or guardian.

Students withdrawing from the University are requested to notify the Registrar. No application for a return of fees can be considered unless written notice be given at the time of withdrawal.

The Dean of any faculty may for reasons of weight grant a leave of absence to a student in good standing.

### FEES

The regulations as to fees adopted by the Trustees of Columbia College in the City of New York are at present as follows. They are subject to change by them at their discretion. The President is under instructions to withdraw the privileges of students delinquent in payment after the second Wednesday of each half-year.

- (a) *For Matriculation or Registration:* Required of all students before entrance, payable but once..... \$ 5  
*For Late Registration* (see above) ..... 5
- (b) *For Tuition*, payable at the beginning of each half-year; if the entire fee be less than \$100 the whole must be paid upon registration.
- For Matriculated Students:*
- |  |     |
|--|-----|
| In the College, per point (see page 190).....  | 5   |
| To be paid for the total number of points <sup>1</sup> for which the student is permitted to register; with extra charges for certain allowed professional courses, not to exceed \$100 in any year. |     |
| In the School of Law.....per annum   | 150 |
| In the College of Physicians and Surgeons. .... " "  | 250 |
| In the Schools of Mines, Engineering, and Chemistry  |     |

<sup>1</sup> A "point" is the equivalent of attendance one hour a week for one half-year in class-room exercises, or two hours a week for one half-year in laboratory exercises.

(exclusive of certain summer-course fees, see pages 41-42).....	per annum \$ 250
In the Schools of Fine Arts.....	" " 150-200
In Architecture the fees are at the rate of \$15 per annum for each hour of attendance a week on lectures, with special fees for drawing and design up to a total maximum of \$200. In Music the fees are at the rate of \$15 per annum for each hour of attendance a week up to a maximum of \$150.	
Candidates for the degrees of Master of Arts and Doctor of Philosophy, exclusive of laboratory fees (see page 41).....	per annum 150
With a minimum fee of \$150 for courses taken to fulfil the requirements for either degree, irrespective of the aggregate number of hours occupied by such courses; and irrespective of the regulations governing fees for Summer Session courses taken to fulfil the requirements for the degree of Master of Arts.	
With a maximum fee—for courses actually needed to fulfil the requirements of the degree in question—of \$150 and \$300, <sup>1</sup> respectively, when the course does not exceed for the master's degree, three, and for the doctor's degree, five years. <sup>2</sup>	
<i>For Non-Matriculated Students</i> (and matriculated students taking part time). In Columbia College, the Schools of Law, Political Science, Philosophy, Pure Science, and Music, at the rate of \$15 per annum for each hour of attendance a week on lectures or recitations, with a maximum fee of \$150, except that in Columbia College the maximum fee is \$180. In the School of Architecture, at the rate of \$20 per annum for each hour of attendance a week on lectures or recitations, with a maximum fee of \$200, or \$50 for a period of two months. In the schools of Medicine, Mines, Engineering, and Chemistry, the rate is \$25 per annum for each hour, with a maximum fee of \$250. For other fees see page 41.	
<i>For All Students</i> , matriculated or non-matriculated, in the Summer Session, see page 385.....	30
<i>For Students in Extension Teaching</i> , see page 389.	
(c) <i>For Examinations, payable in each case before examination is held:</i>	
For entrance (see pp. 171 <i>et seq.</i> ).....	5

<sup>1</sup> Tuition fees paid by a candidate for A.M. will be credited toward the maximum fee for Ph.D., provided there be no change in the choice of major and minor subjects.

<sup>2</sup> An extension of the period of candidacy for the higher degrees beyond that prescribed by the regulations does not apply to the privilege of the maximum fee.



For any examination or single series of examinations taken at any other time than at the conclusion of a course actually attended.....	\$ 5
For the Collegiate degree of Bachelor of Arts or Bachelor of Science.....	15
For any professional or technical degree.....	25
For the degree of Master of Arts.....	25
For the degree of Doctor of Philosophy.....	35
<i>(d) For Use of the Gymnasium:</i>	
Required of all students (men and women) except those in Medicine and Pharmacy.....per annum	7
Summer Session, optional .....	5
For the fees prescribed by the Trustees of Barnard College, Teachers College, and the College of Pharmacy see the separately printed Announcements.	

### Laboratory and Other Special Fees and Deposits

The Statutes provide that students taking laboratory or field courses or making use of the laboratories may be charged a fee therefor in accordance with a schedule prepared by the department concerned and on file in the Office of the Registrar. A deposit for the use of the apparatus, material, and other like purpose shall also be charged.

### Summer Courses in Surveying, Mining, and Geodesy

Laboratory fees, payable on or before the last Saturday in May, are required as follows: Civil Engineering course No. 15, \$25, or \$6 per survey; No. 25 and No. 27, \$15, or \$5 per survey; No. 26, \$5; No. 28 and No. 71, \$10.

Non-candidates, candidates for admission to and students having entered with advanced standing, who may be required to attend these courses, and students required to repeat them through delinquency, are charged, in addition, tuition fees as follows: No. 15, \$35; No. 25, No. 27, No. 28, and No. 71, \$25; No. 26, \$10. Students registered in Columbia College who have paid an additional fee under the operation of this rule receive an equitable credit upon completing the requirements for a professional degree.

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of \$50. All students attending the Summer Course in Geodesy must pay a fee of \$20 for the course.

For further details as to the administration of these fees, see the special *Announcement of the Schools of Mines, Engineering, and Chemistry*.

### Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from \$2 to \$40, is required of students in Mines, Engineering, Chemistry, and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

### Residence Halls and University Commons

(See page 49)

### Comparative Statement of Students' Probable Expenses for the Academic Year, October to June

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year).....	\$ 5	\$ 5	\$ 5
Tuition Fee <sup>1</sup> .....	150	150	150
Gymnasium Fee.....	7	7	7
Books.....	18	30	40 up
Incidentals.....	7	15	33
Residence Hall (39 weeks).....	100	128	180 "
Commons (39 weeks).....	150	191	236 "
Clothes and Washing.....	46	80	125 "
All other expenses.....	24	57	100 "
Total.....	\$507	\$663	\$876 up

### COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, GIDDINGS, and TODD, and the Secretary and Registrar of the University, the Alumni Secretary, and the Secretary of Earl Hall. The Secretary of the Committee is P. C. H. Holter, A.B. 1907, to whom communications should be addressed. No fees are charged for the Committee's services.

The Employment Committee endeavors to give students who need it the opportunity to earn enough for partial or complete support and

<sup>1</sup> For Medicine and Mines, Engineering and Chemistry, add \$100, and for Architecture add \$50. Students in Mines, Engineering and Chemistry should also make provision for deposits for apparatus ranging from \$10 to \$40 and for Summer Courses.

to extend assistance in other ways. Some of the openings available are: private tutoring, translating, addressing, sociological work, teaching in evening schools, stenography. During the year 1908-09 the student earnings reported to the Committee amounted to \$100,223.36.

Preference is naturally given, in case of a choice of applicants, to those who, as strangers in New York, are not likely to hear of positions through other channels. No prospective student should come to Columbia expecting to depend entirely or even largely upon the assistance of the Committee, and every student should be prepared to meet at least the expenses of the first half-year—say \$250.

The chiefs of clinic in the Medical School give advice without charge to students on the lists of the Committee.

### APPOINTMENT COMMITTEES

The duty of these committees is to assist competent graduates of the University to obtain suitable permanent employment.

The committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either committee.

For positions in Colleges and Universities except in the Department of Education

Professor TOMBO, Chairman; Professors SELIGMAN, CATTELL, TODD, KIRCHWEY, WHEELER, and THOMAS.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman.

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor JAMES E. RUSSELL, Dean of Teachers College, Chairman; Professors DUTTON, KEMP, McMURRY, SMITH (D. E.), and TRENT.

Communications should be addressed to the Chairman of the Committee, or to its Secretary, Miss I. L. Pratt.

### FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

(See page 413)

### RELATIONS BETWEEN THE UNIVERSITY AND OTHER INSTITUTIONS

The educational opportunities of students in Columbia University (including Barnard College, Teachers College, and the New York College of Pharmacy) are increased by the close relations of the University with other institutions of instruction and research.

## The Theodore Roosevelt and Kaiser Wilhelm Professorships

The Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin has been endowed by the gift of \$50,000 to the Trustees of Columbia University. Appointments are made annually with the sanction of the German Emperor by the Prussian Ministry of Education upon the nomination of Columbia University, but are not confined to members of this University. In successive years the fields of American history, American constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be dealt with. The instruction will be given in German in the University of Berlin during each winter semester, and may be repeated in whole or in part elsewhere during the ensuing semester.

The Prussian Ministry of Education has established in Columbia University a corresponding chair of German History and Institutions, to be filled each year by the Trustees of Columbia University upon the nomination of the Prussian Ministry of Education. To this chair the name of the Kaiser Wilhelm Professorship of German History and Institutions has been given, with the approval of the German Emperor.

*Theodore Roosevelt Professorship*

- 1906-07 John William Burgess, Ph.D., LL.D., *Ruggles Professor of Political Science and Constitutional Law, and Dean of the Faculty of Political Science in Columbia University.*  
 1907-08 Arthur Twining Hadley, Ph.D., LL.D., *President of Yale University.*  
 1908-09 Felix Adler, Ph.D., *Professor of Social and Political Ethics in Columbia University.*  
 1909-10 Benjamin Ide Wheeler, Ph.D., LL.D., *President of the University of California.*  
 1910-11 Charles Alphonso Smith, Ph.D. *Edgar Allan Poe Professor of English in the University of Virginia.*

*Kaiser Wilhelm Professorship*

- 1906-07 Hermann Schumacher, Jur.D., *Professor of Political Economy in the University of Bonn.*  
 1907-08 K. G. Rudolf Leonhard, J.U.D., *Professor of Legal Science in the University of Breslau.*  
 1908-09 Albrecht F. K. Penck, Ph.D., Sc.D., *Professor of Geography in the University of Berlin.*  
 1909-10 Carl Runge, Ph.D., *Professor of Applied Mathematics in the University of Göttingen.*

**American Museum of Natural History**

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

**National Academy of Design**

The agreement of February 5, 1906, between the University and the Academy makes provision for the closest relations between the two institutions in the development of the study of design in New York City. (See page 314.) The President of the Academy is a member of the Faculty of Fine Arts, and the professors in the departments of painting, sculpture, and in the decorative arts are appointed upon the joint recommendation of the President of the University and the Council of the Academy.

**Metropolitan Museum of Art**

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the University, and gives them special facilities for the study of the objects in the Museum. The Director and Assistant Director are members of the Faculty of Fine Arts.

**The New York Botanical Garden**

Columbia University has the privilege of conducting university courses in botany at the New York Botanical Garden and of using its laboratories and floral material, and all courses of instruction given there are open to officers and students of the University without charge. The Director is a member of the Faculty of Pure Science. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 66).

**Theological Seminaries**

The Union Theological Seminary and the General Theological Seminary, both of which are represented in the University Council, admit students of high standing in the University to certain lectures in their regular or special courses without tuition fee. Libraries of the Seminaries, for reference, are open to all qualified students of the University. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College.

The University also enjoys reciprocal arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theo-



logical Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), and the New Brunswick (N. J.) Theological Seminary.

#### Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital the general and special hospitals of New York afford most important fields for clinical teaching. The College of Physicians and Surgeons is strongly represented on the staff of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. In many of these hospitals the fourth-year students are admitted as clinical clerks to serve on the house staff.

#### Other Institutions

For the details of the work preparatory to public service offered by Yale University and Columbia University in co-operation, see page 268.

The Director of the New York School of Philanthropy is a professor in the University, and the same reciprocal advantages for students exist as in the case of the Theological Seminaries.

There are close informal relations between the University and the Hispanic Society of America, the Rockefeller Institute of Medical Research, the New York Zoölogical Garden, the New York Aquarium, and the laboratories at Wood's Hole and Cold Spring Harbor. (For the Libraries of the city, see below.)

### PUBLIC LECTURES

In addition to the regular program of studies, arrangements are made for lectures before the members of the University, and in some cases before the public also. In 1909-10 these are as follows: The Kaiser Wilhelm Professor will give a course on "Graphical Methods in Physics and Applied Mathematics"; The lecturer on the Carpentier Foundation will lecture on the history and literature of English political theories in the seventeenth and eighteenth centuries. Professor Otto Jespersen will give graduate courses in phonetics and historical English grammar, and will also conduct a seminar on studies in English syntax. The Division of Modern Languages and Literatures announces lectures by F. M. Colby, Henry Holt, Hamilton Wright Mabie, Paul Elmer More, F. Hopkinson Smith, Augustus Thomas and others, on the literature of to-day.

The Hewitt lectures at Cooper Union will be delivered by Professor Lucke, on "Power." The Blumenthal lectures on politics will be given by Professor Henry J. Ford, of Princeton University, on "The Cost of our National Government." The Division of Classical Philology announces a course of lectures by Professor James S. Reid. On Wednesday evenings, will be given a series of nineteen public lectures

on the literature of the world, by members of the University faculties. Professor Joseph Bédier, of the Collège de France, will give a course of six lectures. The customary public lectures in French and German will also be delivered. For the list of special lecturers see page 20.

### THE LIBRARY

W. DAWSON JOHNSTON.....	<i>Librarian</i>
VLADIMIR GR. SIMKHOVITCH.....	<i>Bibliographer Readers' Department</i>
FREDERIC W. ERB.....	<i>Supervisor Loan Division Readers' Department</i>
ETHEL H. BUDINGTON.....	<i>Supervisor Order Department</i>
ANNA K. FOSSLER.....	<i>Supervisor Serial Department</i>
HARRIET B. PRESCOTT.....	<i>Supervisor Catalogue Department</i>
FRANK C. ERB.....	<i>Supervisor Shelf Department</i>
ELIZABETH G. BALDWIN.....	<i>Librarian Teachers College</i>
MARY OTIS COX.....	<i>Librarian School of Law</i>
G. SUMMERFIELD EVANS.....	<i>Librarian School of Medicine</i>
EDWARD R. SMITH.....	<i>Librarian Avery Library</i>
BERTHA L. ROCKWELL.....	<i>Librarian Barnard College</i>

The Library is open each week-day (except Labor Day, Thanksgiving, Christmas, New Year's Day, Good Friday, and Independence Day) from 8.30 A.M. until 11 P.M., October-June; and until 10 P.M., July-September. All officers, students, and graduates of the University have free access to the Library and may draw books for home use.

Officers of the New York University, of the College of the City of New York, of the Metropolitan Museum of Art, and of the American Museum of Natural History are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

About 10,000 carefully selected reference books and the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reference room, directly accessible to all readers.

For the convenience of undergraduates of Columbia College, there has been established in Hamilton Hall a College Study. Five thousand carefully selected volumes have been placed in this room, as a reference library.

Connected with the stacks in which are stored the books relating especially to Philosophy, Literature, the Languages, the Sociologic and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced

students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration. The various Science departments have special libraries in close connection with their laboratories and lecture rooms.

The Library contains about 435,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbian, 3500 titles; the Phoenix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phoenix, of the Class of 1859; the Avery Architectural Library, a collection of about 18,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the valuable library of The Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; the philological library of the late Professor Mortimer Lamson Earle, given by his students and friends—consisting of some 2500 volumes; the library of Henry Livingston Thomas, late Chief Translator of the Department of State, Washington, given by his son, Dr. William S. Thomas—some 9000 volumes; and the Library of the American Mathematical Society, 1500 volumes. The Library is also the depository for the Reform Club of the City of New York.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

The Bryson Library of Teachers College, the Educational Library of the University, and the carefully selected reference libraries of Barnard College, the College of Physicians and Surgeons, and the College of Pharmacy, are all available to officers and students of the University. Nearly all of the more private or restricted libraries of the city, such as those of the learned societies, are open to officers and to advanced students introduced by the Librarian of the University.

### University Press Bookstore

A University bookstore is maintained under the auspices of the Columbia University Press, where officers and students may purchase books and stationery at stated discounts from list prices.

### THE GYMNASIUM

(See page 151)



## UNIVERSITY COMMONS

The University Commons, in University Hall, conducted under student management, has accommodations for 450 men, upon a system combining the *table d'hôte* and *à la carte*, the average weekly charge being \$4.50. There is also a large buffet lunch room.

## RESIDENCE HALLS

## For Men

There are two University dormitories on South Field, with accommodations for 500 men, Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, named in memory of Robert R. Livingston, of the Class of 1765. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted by electricity and heated by steam, and have telephone and elevator service.

The two Halls contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is 8 feet by 14.6, of the studies 10 by 14.6; all are nine feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

The Residence Halls are supervised and controlled by a Council composed of the Consulting Engineer, two University officers, and a representative from each Hall. The Council is assisted by two Committees made up of residents in the Halls.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Marcellus Hartley Dodge, '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is \$3.30, or \$129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans, charges, and the Hall Regulations may be had upon application to the Secretary of the University. Rooms will be assigned in the order of receipt of written applications to be made on a blank provided by the Superintendent of Buildings and Grounds.

## For Women

Brooks Hall, the hall of residence for Barnard College students, is

on the north side of 116th Street; it accommodates 90 students. Full information in regard to the situation and cost of rooms, the advance deposit, the charge for electric light, and the residence scholarships is published in a separate pamphlet, to be had on application to the Secretary of Barnard College, or to the Mistress of Brooks Hall, Barnard College, New York City.

Whittier Hall, dormitory building of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to the Secretary of Whittier Hall, 1230 Amsterdam Avenue.

### Other Living Accommodations

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, etc., have been undertaken, and a card-catalogue of apartments, rooms, etc., is kept at Earl Hall. Many of the Greek letter fraternities, a list of which will be found on page 51 maintain chapter houses near the University.

## PUBLIC WORSHIP AND RELIGIOUS WORK

St. Paul's Chapel, the gift of Olivia Egleston Phelps Stokes and Caroline Phelps Stokes, as a memorial to their parents, was dedicated February 3, 1907. The Chapel is in the form of a cross, the greatest length being 122 feet and the width at the transepts 77 feet. In all 1050 sittings are provided. Of these 120 are in the choir, which, as in the English cathedrals, may itself be used for a religious service at which the attendance is small.

Service, at which attendance is voluntary, is held every week-day except Wednesday and Saturday, at noon, the period from 12 to 12.20 being set apart by the University Council for religious exercises; and on Sunday afternoons at 4 P.M. Vesper services are held each Wednesday at 5 P.M. There are also frequent organ recitals.

### EARL HALL

Earl Hall, the home of the religious, philanthropic, and social organizations and interests of the University, is open from 8.30 A.M. to 10 P.M. daily, to all students without expense, under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are

necessarily subordinated to the other uses of the building, the Secretary desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made on a day-and-hour schedule, without exclusive use of any of the rooms in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary, and (4) miscellaneous student organizations.

### MEDICAL VISITOR

For those who are without local family physicians there is a Medical Visitor (Dr. D. S. D. Jessup, 542 W. 112th St.) whose duties are to render medical assistance to such officers and students as may desire it, either at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients.

### STUDENT ORGANIZATIONS

The various student organizations, while self-governing, are subject to the following regulations: The schedules of public contests and performances must be approved by a University Committee; budgets for expenditure are approved and checked by the Comptroller of Student Organizations; the University Committee on Athletics, consisting of three graduates, two students, and two University officers, adopt and administer rules of eligibility not involving questions of scholarship and govern participation in inter-collegiate athletics. Provision is made for the election each year by the student body at large of a Board of Student Representatives. The constitution of this board will be found in the Annual Catalogue for 1908-09, page 48. A pamphlet containing the full regulations may be obtained from the Secretary of the University. The members for the current year are:

R. S. ERSKINE, <i>Chairman</i> ,	F. N. BANGS, <i>Secretary</i>
R. M. KEATOR	E. H. OSTERHOUT
T. KIENDL	F. H. SAUNDERS
W. LAUGER	W. C. VANDEWATER
F. A. WARDLAW	

### Greek Letter Fraternities

The following Greek letter fraternities, given in the order of their establishment, maintain chapters at Columbia University:

Alpha Delta Phi; Psi Upsilon; Delta Phi; Delta Psi; Phi Kappa Sigma; Phi Gamma Delta; Phi Kappa Psi; Delta Kappa Epsilon; Zeta Psi; Beta Theta Pi; Delta Tau Delta; Theta Delta Chi; Phi Delta Theta; Alpha Tau Omega; Delta Upsilon; Sigma Chi; Sigma Alpha Epsilon; Phi Sigma Kappa; Theta Xi; Alpha Chi Rho; Delta Sigma Phi; Omega Pi Alpha; Phi Epsilon Pi; Sigma Nu.

## DIVISIONAL AND DEPARTMENTAL STATEMENTS

### INTRODUCTORY

The courses of instruction are numbered in accordance with a plan uniform throughout the University, and attention is called to the following information which the number assigned to a course will in each case indicate:

Odd numbers indicate the first, even numbers the second half of the academic year. Courses designated 1-2, 21-22, etc., run through both half-years; courses designated 1-4, 5-8, etc., run through two complete academic years. Courses numbered between 1 and 100 are, in general, elementary and may not be offered in fulfilment of the requirements for the higher degrees (A.M. and Ph.D.). Courses numbered from 101-200 are primarily for students who hold a first degree but are open to undergraduates who have completed 64 points (for courses in law 94 points), including all prescribed work. In general no such course may be taken without some elementary training in the same or in some allied subject. Courses from 201-300 are restricted to such graduate students as are qualified to pursue the work to advantage. Seminars are numbered from 301 up. Attention is called to the *Announcement of the Faculties of Political Science, Philosophy, and Pure Science*, and particularly to the fact that the requirements for the higher degrees are based upon subjects and not upon courses. Students who wish to offer a subject either as a major or minor should, before registration, consult the officers of instruction and administration concerned with regard to their selection of courses.

Courses enclosed in brackets are not offered during 1909-10, and any other course not applied for by at least three candidates for a degree may be withdrawn by the instructor.

Any subject of study not appearing in its alphabetical order may be found through the index.

With the exception of the courses in Mines, Engineering, Chemistry, Medicine, and Law, all courses numbered over 101 are open to women upon the same terms as to men, unless specific statement is made to the contrary.

Unless otherwise stated, the number of hours given indicates the hours of classroom work (lectures, conferences, and recitations) per week. When a course involves both classroom work and laboratory or drafting-room work the former will be indicated by *C* and the



latter by *L* and *D*, respectively. An "afternoon" implies three hours a day, normally from 1:00 to 4:00.

Students should note the distinction between a department and a school. For instance, there is in the University both a Department of Architecture and a School of Architecture; Departments of Civil, Electrical, and Mechanical Engineering and a School of Engineering. The Departmental Statements which follow have to do only with the giving of the instruction and the opportunities for research in each special branch of study. The information as to the conditions of admission to the courses, and the academic credit to be received therefor, will be found under the information relating to Colleges and Schools, pages 198 *et seq.*, and in the separately printed *Announcements*.

For the courses to be offered in fulfilment of the requirements for the degrees of Bachelor of Arts or Bachelor of Science, see pages 192 and 329; Bachelor of Laws, see page 210; Doctor of Medicine, see page 229; for the several degrees in mining, engineering, and chemistry, see pages 246-250; and for Fine Arts—architecture, music, and design,—see pages 307, 313, and 315.

It is not possible, within the limits of this volume, to give more than the briefest outline of the courses. In some one of the *Bulletins of Information* published by the University, and distributed without charge upon application to the Secretary, a detailed statement will be found of the scope of each course, the manner of treatment, the courses prerequisite, and the like. A list of the *Bulletins* will be found on page 37.

Attention is also called to the fact that, in addition to the following, many courses are offered in the Summer Session and in Extension Teaching. Full information as to these will be found in the *Bulletins* of the Summer Session and of Extension Teaching.

### Anatomy

GEORGE SUMNER HUNTINGTON, M.D., Sc.D., LL.D.....	Professor
BERN BUDD GALLAUDET, M.D.....	Adjunct Professor
H. VON W. SCHULTE, M.D.....	Adjunct Professor
FREDERICK T. VAN BEUREN, Jr., M.D.....	Associate
FREDERICK TILNEY, M.D.....	Associate
ALFRED STILLMAN, M.D.....	Associate
ADAM M. MILLER, A.M.....	Instructor
OLIVER S. STRONG, Ph.D.....	Instructor
CHARLES HENDEE SMITH, M.D.....	Assistant
CHARLES R. L. PUTNAM, M.D.....	Assistant
ALFRED J. BROWN, M.D.....	Assistant

None of the courses of the Department of Anatomy is open to women.

## Courses

*See introductory paragraphs, page 52*

51-52—Vertebrate morphology—Anatomy of the body cavities—Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON

53—Cranial morphology—Lectures. 1 hour in first half-year. Dr. TILNEY

54—Syndesmology, myology, angiology of head and neck, peripheral nervous system of neck. Demonstrations to sections of the class. 1 hour per week, second half-year. Professor GALLAUDET

65-66—Neurology. 2 hours per week to sections of the class—Dr. TILNEY

55-56—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angiology of the extremities. Pharynx, larynx. 2 hours. Drs. VAN BEUREN and STILLMAN

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, 57-58

57-58—Laboratory course—Dissection of the human body. 12 hours a week. Professors HUNTINGTON, GALLAUDET, SCHULTE, the ASSOCIATES and ASSISTANTS

59-60—Laboratory course—Dissection of the human body. 10 hours a week. Professors HUNTINGTON, GALLAUDET, SCHULTE, the ASSOCIATES and ASSISTANTS

67-68—Histology and embryology—Lectures combined with demonstrations. 3 hours. Professor SCHULTE

69-70—Laboratory course—histology and embryology. 6 hours. Professor SCHULTE and Mr. MILLER, Drs. STRONG and SMITH

71-72—Conferences and demonstrations to sections of the class—Histology and embryology. 1 hour. Professor SCHULTE and Mr. MILLER, Drs. STRONG and SMITH

## Research

117-118—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professors HUNTINGTON and SCHULTE

## Optional Courses

62—Anatomy of mouth, larynx, pharynx, auditory apparatus. 3 hours per week in second half-year. Professor GALLAUDET

63-64—Demonstrations to sections of the class and conferences—

Visceral anatomy. Direct examination and demonstration of the preparations serving to illustrate Course 51-52. 1 hour. Professor HUNTINGTON

124—Anatomy of the joints. 2 hours per week second half-year. Dr. VAN BEUREN

125-126—Development and comparative anatomy of the heart and vascular system. Professors HUNTINGTON, SCHULTE, and Staff

127-128—Development and comparative anatomy of the genito-urinary system. Professors HUNTINGTON, SCHULTE, and Staff

129-130—Development and comparative anatomy of the respiratory tract. Professors HUNTINGTON, SCHULTE, and Staff

131-132—Development and comparative anatomy of the nervous system. Drs. TILNEY and STRONG

133-134—Development and comparative anatomy of the alimentary canal. Professor SCHULTE, and Mr. MILLER

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, unless otherwise specified, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

### Anatomical Laboratories

The laboratory facilities of the Department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students, working in groups of five or seven at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

### Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations both in series of



natural groups and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research.

The second floor of the anatomical building has been furnished throughout with suitable exhibition and demonstration stands. It is the intention of the department to install in this space the portion of the collection most used in the medical courses, thus establishing an undergraduate teaching museum which will both increase the efficiency of the sectional demonstrations and render the material upon which they are based available at all times for study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

### Anthropology

FRANZ BOAS, Ph.D.....	<i>Professor</i>
LIVINGSTON FARRAND, A.M., M.D.....	<i>Professor</i>
MARSHALL H. SAVILLE.....	<i>Loubat Professor of American Archæology</i>
ADOLPH F. BANDELIER.....	<i>Lecturer in American Archæology</i>

### Courses

*See introductory paragraphs, page 52*

**1-2**—Anthropology, general introductory course—Lectures, essays, and discussions. 3 hours. First term, Professor FARRAND; second term, Professor BOAS

**103-104**—Prehistoric archæology—Lectures, essays, and discussions. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

**105-106**—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

**[107-108]**—Ethnography of America and Siberia. Professor BOAS]

**[109-110]**—Ethnography of Africa and Polynesia. Professor BOAS]

**111-112**—The races of Europe. 2 hours. Professor BOAS

**115-116**—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

**117-118**—American languages—Lectures and discussions. 2 hours. Professor BOAS

129-130—American languages—Advanced course. 2 hours. Professor BOAS

119-120—Morphology with special reference to Physical Anthropology. Professor HUNTINGTON. (Not open to women.)

121-122—Anthropometry. 2 hours lectures and 3 hours laboratory. Professor BOAS

125-126—Early Spanish sources for American ethnography. 2 hours. Mr. BANDELIER

127—Archæology of Peru. 1 hour one half-year. Mr. BANDELIER

201-202—Research work in anthropology. Professors BOAS, FARRAND, and SAVILLE

301-302—Seminar in ethnology. 2 hours biweekly. Professor BOAS

The collections and apparatus of the American Museum of Natural History may be used by students of Anthropology.

### Architecture

<sup>1</sup>ALFRED D. F. HAMLIN, A.M. . . . . *Professor of the History of Architecture*

<sup>2</sup>FRANK DEMPSTER SHERMAN, Ph.B. . . . . *Professor of Graphics*

THOMAS HASTINGS, Diplôme E.d.B.-A. . . . . *Director of Atelier*

EDWARD R. SMITH, A.B. . . . . *Reference Librarian, Avery Library*

CHARLES P. WARREN, A.M. . . . . *Adjunct Professor*

CHARLES A. HARRIMAN. . . . . *Associate*

JOHN V. VAN PELT, Diplôme E.d.B.-A. . . . . *Associate*

WILLIAM A. DELANO, A.B., Diplôme E.d.B.-A. . . . . *Associate*

HARVEY WILEY CORBETT, B.S., Diplôme E.d.B.-A. . . . . *Associate*

FRANCIS A. NELSON, B.S., Diplôme E.d.B.-A. . . . . *Lecturer*

THOMAS W. LUDLOW, A.M. . . . . *Lecturer*

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WILLIAM R. WARE, LL.D. . . . . *Emeritus Professor of Architecture*

### Courses

*See introductory paragraphs, page 52*

1—The elements of architecture. Mouldings, the orders, intercolumniation and superposition, balustrades, arcades, doors, windows, roofs, spires, vaults, domes. 2 hours, and work in drafting-room. Mr. HARRIMAN

2—Applied elements—Exercises in application of the orders and other features in elementary design. 15 hours. Mr. HARRIMAN

3—Architectural drawing—15 hours. Mr. HARRIMAN

<sup>1</sup> Absent on leave first half-year.

<sup>2</sup> Absent on leave second half-year.

5—Graphics—Shades and shadows, projections and intersections. *C* 3 hours, *D* 2 hours. Professor SHERMAN

6—Perspective. *C* 2 hours, *D* 2 hours. Twelve plates required. Professor SHERMAN

7-8—Descriptive geometry and stereotomy. *C* 5 hours, *D* 2 hours. Twelve plates required. Professor SHERMAN

10—Isometric and advanced projections. *C* 1 hour, *D* 2 hours. Professor SHERMAN

11-12—Specifications. *C* 2 hours, *D* 3 hours. Professor WARREN

13-14—Building materials. *C* 2 hours. Professor WARREN

15-16—Elementary structural design. *C* 2 hours, *D* 3 hours. Professor WARREN

17-18—Engineering—Graphical statics and applied mechanics structural problems. *C* 3 hours, *D* 3 hours. Professor WARREN

21-22—Ancient architectural history. 2 hours. Mr. LUDLOW

23-24—Mediæval architectural history. *C* 4 hours, with collateral reading (see 43-44), and 15 hours original research for six weeks. Exercises in historical design (see 61-64). Professor HAMLIN and Mr. LUDLOW. (Given in second term only, 1909-10.)

24a—Architectural essays—Papers prepared in connection with research on mediæval history. Professor HAMLIN

25-26—Modern architectural history—The Renaissance and modern architecture. *C* 4 hours and 15 hours research for six weeks. Exercises in historical design (see 61-64). Professor HAMLIN and Mr. LUDLOW. (Given in second term only, 1909-10.)

26a—Architectural essays—Papers prepared in connection with research on modern history. Professor HAMLIN

31-32—History of ancient ornament. 1 hour. Mr. LUDLOW

33-34—History of mediæval ornament. 2 hours with exercises in decorative design, first term only. Mr. LUDLOW

35-36—History of modern ornament—Renaissance and modern ornament. 2 hours with exercises in decorative design. Professor HAMLIN. Second term only.

41-42—Historical reading in French (in connection with 21-22). 2 hours. Mr. LUDLOW

43-44—Historical reading in French and German (in connection with 23-24). 2 hours. Mr. LUDLOW

51-52—Theory of architecture—Planning and composition. 1 hour. Mr. LUDLOW, first term; Professor HAMLIN, second term.

[53—Theory of decorative arts—1 hour. Professor HAMLIN and others]

54—Theory of color. 2 hours, second term. Professors HAMLIN and HALLOCK

55—Theory of professional practice. 2 hours, second term. Professor HAMLIN and others

61-62—Elementary design—Exercises chiefly in composition of exteriors. 15 hours, first half-year, and for 9 weeks of second half-year. 1, 2, and 3 prerequisite. Professor HASTINGS, Messrs. VAN PELT, DELANO, CORBETT and NELSON

63-64—Intermediate design—Problems and sketch designs, including both planning and composition. 15 hours, first half-year, and for 9 weeks of second half-year (see 161 and 261; 61-62 prerequisite). Professor HASTINGS, Messrs. CORBETT, VAN PELT, DELANO and NELSON

71-72—Freehand drawing—Elementary course. 6 hours. Mr. HARRIMAN

72a—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73-74—Freehand drawing—Intermediate course; water colors and modelling. 6 hours. Mr. HARRIMAN and Mr. SMITH

74a—Summer work—Drawings and designs to be executed during the second summer vacation

75-76—Drawing from the cast. 6 hours. Mr. HARRIMAN

76a—Summer work—Drawings and designs to be executed during the third summer vacation

113-114—Advanced practice, in connection with the Schools of Mines, Engineering and Chemistry. C and D 6 to 12 hours (in connection with 117-118). Professors BURR, CAMPBELL, LUCKE and WARREN

117-118—Advanced engineering design and calculation in connection with the Schools of Mines, Engineering and Chemistry. C and D 24 hours (in connection with 113-114). Professors BURR, CROCKER and WARREN.

128—Advanced essays—Summer vacation essay; thesis dissertation previous to graduation

161-162—Advanced design. 20 to 30 hours. (63-64 prerequisite.) Professor HASTINGS, Messrs. VAN PELT, DELANO, CORBETT and NELSON

164—Thesis—Advanced design or research; drawings with accompanying dissertation. 20-30 hours for 8 to 12 weeks previous to graduation. Professor HASTINGS, Messrs. VAN PELT, DELANO, CORBETT and NELSON

177-178—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

213-214—Graduate course in practice—Original investigations and accompanying reports. 6 hours. Professor WARREN

217-218—Graduate course in engineering—Four advanced problems in structural design. 20 to 30 hours. Professor WARREN

221-222—Graduate essays—Original research with accompanying reports. 4 to 6 hours. Professor HAMLIN

261-262—Graduate design—Advanced problems, etc. 20 to 30 hours. Professor HASTINGS, Messrs. VAN PELT, DELANO, CORBETT and NELSON

### Astronomy

HAROLD JACOBY, Ph.D. .... *Rutherford Professor*

CHARLES LANE POOR, Ph.D. .... *Professor*

S. ALFRED MITCHELL, Ph.D. .... *Adjunct Professor*

### Courses

*See introductory paragraphs, page 52*

1-2—General astronomy—Historical and descriptive. 2 hours, and fortnightly evening attendance in the Wilde Observatory. Professor JACOBY (first half-year) and Professor S. A. MITCHELL (second half-year)

103-104—Spherical and practical astronomy—A more mathematical treatment, including practical use of instruments. 2 hours lectures and 2 hours observatory work. Professor S. A. MITCHELL (first half-year), and Professor JACOBY (second half-year)

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 3 hours. Professor MITCHELL

106—Geodesy—Applications of practical astronomy to geodetic surveying. 1 hour lecture and 3 hours laboratory. Professor MITCHELL

107—Geodesy—Summer course in practical geodesy. Given in the field, each student making his own observations and calculations.

Five weeks of practical work from July 10, at Camp Columbia, Morris, Conn. Professors JACOBY and MITCHELL with assistants

201-202—Advanced spherical and practical astronomy. 2 hours lectures and 4 hours observatory work for two years. Professor JACOBY

203-204—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor POOR

205-206—Theory and method of reduction of photographic star



plates—Determination of star places. 1 hour, with practical work, for two years. Professor JACOBV

207-208—Method of least squares, with applications to astronomy and geodesy. 1 hour. Professor JACOBV

209-210—Celestial mechanics—Elementary course. 1 hour. Professor POOR

211-212—Advanced course in celestial mechanics. 1 hour for one or two years. Professor POOR

213-214—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Professor MITCHELL

### Astronomical and Geodetic Equipment

The Wilde Observatory contains an equatorial telescope, with clock-work and accessories. The University has also a very complete collection of instruments for the application of astronomy to geodesy, including a Bamberg universal combined prismatic transit and zenith telescope of 4-inch aperture; a Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision; two Wanschaff 8-inch microscope theodolites; two Fauth 8- and 10-inch microscope theodolites; secondary bar base and tape base apparatus, with stretching machines; complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, electric chronographs, etc.; five computing machines.

For the advanced study of astronomy proper, there are special facilities including two Repsold measuring machines of the latest type and a large collection of original astronomical photographs suitable for measurement and reduction. These photographs were made by Gill at the Cape of Good Hope, Rutherford at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Funds are provided for the publication of researches in astronomical photography. (See University Bibliography.) For research work in astrophysics students have access to the well-equipped laboratories of the Department of Physics, and there is also a collection of spectrograms photographed with the 40-inch telescope of the Yerkes Observatory and two machines for measuring them.

In addition, there are a number of unmounted instruments, including Lewis Morris Rutherford's famous 13-inch equatorial, with its attachments.

The University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory. There is also a good working library in the department.



## Bacteriology and Hygiene

PHILIP HANSON HISS, Jr., M.D.....	<i>Professor</i>
AUGUSTUS B. WADSWORTH, M.D.....	<i>Adjunct Professor</i>
HANS ZINSSER, M.D.....	<i>Instructor</i>
FREDERICK B. HUMPHREYS, M.D.....	<i>Assistant</i>

Close association is maintained between this department and the Departments of Pathology and Clinical Pathology, so as to facilitate instruction and research in these closely allied subjects.

### Courses

*For the significance of course numbers see page 52*

51—Practical instruction in bacteriology and hygiene, especially adapted to the requirements of students of medicine. 4 hours. Professors HISS and WADSWORTH, and Drs. ZINSSER and HUMPHREYS

201—Special laboratory course in advanced bacteriology and bacteriological technique. Afternoons in November, December, and January. Professors HISS and WADSWORTH and Dr. ZINSSER

203—Special laboratory course—as under Course 201—with additional time for the study of known species of bacteria, their chemical products, and photomicrography; and original investigation. Professors HISS and WADSWORTH and Dr. ZINSSER

### Research

Research may be pursued in the laboratories of this department by a limited number of properly qualified, advanced workers, under the direction of the Professor.

### Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus and with cold-storage facilities. A large collection of bacterial species is kept under cultivation.

## Biological Chemistry

WILLIAM J. GIES, M.S., Ph.D.....	<i>Professor</i>
NELLIS B. FOSTER, M.D.....	<i>Associate</i>

STANLEY R. BENEDICT, Ph.D.....	<i>Associate</i>
MATTHEW STEEL, M.S., Ph.D.....	<i>Instructor</i>
HERMAN O. MOSENTHAL, M.D.....	<i>Instructor</i>
ALFRED P. LOTHROP, Ph.D.....	<i>Instructor</i>
EMILY C. SEAMAN, A.M.....	<i>Tutor in Teachers College</i>
WALTER H. EDDY, Ph.D.....	<i>Assistant</i>
JACOB ROSENBLOOM, M.D., Ph.D.....	<i>Assistant</i>
ISIDOR GREENWALD, B.S.....	<i>Assistant</i>
MARY A. SMEETON.....	<i>Assistant in Teachers College</i>

For the significance of course numbers see page 52. All courses not otherwise specified are given at the College of Physicians and Surgeons.

### Course in Organic Chemistry

(1)—Organic chemistry. (Introductory to Course 102 or 104 in physiological chemistry.) Lecture, 2 hours. *R* 2 hours, each section (2). *L* 6 hours, each section (2). Professor GIES, Drs. STEEL and LOTHROP, and Mr. GREENWALD

### Courses in Physiological Chemistry

101-102—General physiological chemistry. (Teachers College Household Arts, 25.) Lecture, 1 hour. *R* 1 hour, each section (2), and *L* 6 hours, each section (2). Professor GIES and Misses SEAMAN and SMEETON

104—General physiological chemistry. Lecture, 2 hours. *R* 1 hour, each section (2), and *L* 6 hours, each section (2). Professor GIES, and Drs. BENEDICT, MOSENTHAL, STEEL, LOTHROP, and ROSENBLOOM

201-202—Chemistry of digestion and assimilation. Lecture, 1 hour. (School of Pharmacy.) Professor GIES

203-204—General biological chemistry. Lecture, 1 hour, *L* 4 hours. Dr. EDDY

205-206—Laboratory course in advanced physiological chemistry. (Teachers College, Household Arts, 125.) Professor GIES and Miss SEAMAN

207-208—Laboratory course in biochemical methods of research, including clinical methods. 8 hours. Professor GIES and Dr. STEEL

209-210—Laboratory course in the chemistry of the animal tissues and fluids, in health and disease. 8 hours. Professor GIES and Dr. ROSENBLOOM

211-212—Chemistry of nutrition in health and disease. Lecture, 2 hours, *C* 2 hours, *L* 12 hours. Professor GIES, Drs. FOSTER, BENEDICT, MOSENTHAL, ROSENBLOOM, and LOTHROP, and Miss SEAMAN

213-214—Laboratory course in advanced physiological and pathological chemistry. Research. 16 hours. Professor GIES.

**Course in Toxicological Chemistry**

215-216—Laboratory course in toxicological chemistry. 6 hours. Professor GIES and Mr. GREENWALD

**Course in Botanical Chemistry**

217-218—Laboratory course in the chemical physiology of plants. 6 hours. Professor GIES. (The course may be taken in whole or in part at the New York Botanical Garden, where Professor GIES is consulting chemist. See Botany, page 65.)

**Course in Co-operation with the Department of Physiology**

In addition to the courses referred to above Professor GIES co-operates with Professor BURTON-OPITZ in giving Course 1-2 in Physiology.

**Biochemical Seminar**

301-302—The members of the teaching staff and all other investigators in the department meet weekly to study and discuss results of recent researches in chemical biology. The Seminar is open to all students in the University. Tuesdays, 3 P.M., 1 hour. Professor GIES in charge.

**Research**

Research may be conducted by advanced workers, independently or under guidance, in the biochemical laboratories. Professor GIES consults regularly with investigators in the Department of Zoölogy on Thursday afternoons, and at the N. Y. Botanical Garden on Wednesday afternoons.

**Library**

Professor GIES's library occupies a room adjoining the laboratory at the medical school and is accessible by appointment to all students in the University.

**Equipment**

The headquarters of the Department of Biological Chemistry are situated at the College of Physicians and Surgeons, where seven rooms are well equipped for experimental work in biological chemistry. Two of the rooms are relatively large and will each accommodate about seventy workers at a time. Four smaller rooms are specially fitted up for original investigations by advanced students.

The laboratory of physiological chemistry at Teachers College is situated on the fourth floor of the Household Arts building. It contains two rooms well equipped for experimental purposes, the

larger of these rooms will accommodate thirty-five workers at a time. The smaller room is intended for research by advanced students.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

### Botany

CARLTON CLARENCE CURTIS, Ph.D.....	<i>Adjunct Professor</i>
HERBERT MAULE RICHARDS, Sc.D. ....	<i>Professor in Barnard College</i>
TRACY ELLIOT HAZEN, Ph.D.....	<i>Instructor in Barnard College</i>
JEAN BROADHURST, B.S.....	<i>Instructor in Teachers College</i>
MARION ELIZABETH LATHAM, A.M.....	<i>Tutor in Barnard College</i>
CHESTER ARTHUR DARLING, Ph.D.....	<i>Tutor</i>
MARGARET A. KINGSLEY, A.B.....	<i>Assistant in Barnard College</i>
BERNARD OGILVIE DODGE, Ph.B.....	<i>Assistant</i>

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

NATHANIEL LORD BRITTON, Ph.D., Sc.D.....	<i>Director</i>
WILLIAM ALPHONSO MURRILL, Ph.D.....	<i>First Assistant</i>
JOHN KUNKEL SMALL, Ph.D.....	<i>Head Curator of the Museums</i>
FRED JAY SEAVER.....	<i>Director of the Laboratories</i>
PER AXEL RYDBERG, Ph.D.....	<i>Curator</i>
ARTHUR HOLLICK, Ph.D.....	<i>Curator</i>
MARSHALL AVERY HOWE, Ph.D.....	<i>Curator</i>
GEORGE VALENTINE NASH.....	<i>Curator of the Plantations</i>
HENRY HURD RUSBY, M.D.....	<i>Dean of the College of Pharmacy and Curator of Economic Collections</i>
WILLIAM J. GIES, M.S., Ph.D.....	<i>Professor of Biological Chemistry and Consulting Chemist, New York Botanical Garden</i>

Partial courses are also given by:

ELIZABETH GERTRUDE BRITTON

EDWARD SANDFORD BURGESS, Ph.D.

The undergraduate courses in Botany are designed to give a broad general knowledge during the first year, and to permit some specialization thereafter. Graduate courses imply the completion of the equivalent of two to three years of undergraduate work.

### Courses

*See preliminary paragraphs, page 52*

1-2—Nature and development of plant life. C 2 and L 4 hours.  
Professor CURTIS, Dr. DARLING, and Mr. DODGE

3-4—Plant morphology. *C* 2 and *L* 4 hours. Professor CURTIS and Dr. DARLING

5—Problems in botanical technique. *L* 6 hours. Designed for teachers and medical students. Dr. CURTIS

6—Economic botany. *C* 1, *L* 3 hours.

7—Growth and character of timber. *C* 1, *L* 3 hours. Professor CURTIS and Dr. DARLING

101-102—Plant physiology. A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions. Professor CURTIS and Dr. DARLING

113-114—Morphology of the higher plants. Study of the orders including the structure and relationship of plants. Professor CURTIS, Dr. DARLING, and Mr. DODGE

115-116—Morphology of the lower plants, with special reference to, the structural features, diagnostic characters, and relationships of the principal orders. Professor CURTIS, Dr. DARLING, and Mr. DODGE

201-208—Physiology. Lines of work dealing with various problems in plant physiology, such as the relation of structure and function, growth, the irritable mechanism of the plant, and the permanent adaptive reactions to environmental factors. Professor RICHARDS and Professor CURTIS

209-210—Physiology of nutrition—treated from a chemical standpoint. Professor RICHARDS and Professor GIES

211-212—Plant pathology. Diseases induced by cryptogamic parasites, including work in culture methods. Dr. MURRILL and Mr. SEEVER

217-218—Embryology of spermatophyta. With special work during two summers. Professor CURTIS and Dr. HAZEN

219-226—Morphology. Work dealing with morphological problems in the various groups of plants. Directed by members of the department and Botanical Garden staff.

227-234—Taxonomy.—Critical study of a family, genus, or other group selected from any division of the plant world. Directed by members of the Botanical Garden staff.

235-238—Plant distribution. Problems dealing with regional botany or plant geography. Professor BRITTON and other members of the staff.

239-240—Developmental taxonomy—Fossil ancestors of some family of plants. Dr. HOLLICK

301-302—SEMINAR—A seminar is held monthly at the botanical laboratory in Schermerhorn for critical discussion.



CONVENTION—A botanical convention is held monthly at the library of the New York Botanical Garden, where members of the staff and students either present the results of their own work or review the progress of botanical research and publication elsewhere.

#### In Barnard College

**51-52**—Principles of plant morphology and physiology—5 hours, lectures, demonstrations, and laboratory work. Professor RICHARDS, Miss LATHAM, and Miss THOMPSON

**53-54**—General morphology and development of plants—*C* 2, *L* 4 hours. Dr. HAZEN and Miss THOMPSON

Two additional hours of laboratory work may be taken, in which case Botany **53-54** will count as five points.

**55-56**—Morphology and classification of spermatophytes—With practice in determination of species. 4 or 6 hours. Dr. HAZEN

**153**—Anatomy of vascular plants—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM

**154**—Physiology of plants from standpoint of nutrition—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS and Miss LATHAM

[**156**—Physiology of plants from standpoint of growth—*C* 2 and a minimum of *L* 6 hours. Professor RICHARDS]

**158**—Structure and development of algæ—Advanced course. *C* 1, *L* 6 hours. Professor RICHARDS and Dr. HAZEN

**159**—Structure and development of fungi—Advanced course. *C* 1, *L* 6 hours. Professor RICHARDS

Courses **158** and **159** are not usually given the same year.

**160**—Developmental anatomy—Practice in methods of technique. 8 hours of laboratory work with occasional lectures and outside reading. Professor RICHARDS

**161-162**—Advanced physiology and morphology. Work will be arranged to suit the needs of the students. Professor RICHARDS and Dr. HAZEN

#### Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped with apparatus and material for morphological and physiological work.

Similar opportunities are offered to women in the laboratories at Barnard College.

By the agreement entered into between the University and the Garden, the herbarium and botanical library of the University (except such works as are needed for instruction) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its



part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material, equipment, and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, and laboratory for physiological chemistry. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses, and the aggregation of collections available for students is exceptionally full in every group of plants.

The library comprises over 20,000 volumes in addition to complete sets of the important botanical journals, which now number over one hundred.

### Chemistry

CHARLES F. CHANDLER, M.D., Ph.D., LL.D., Sc.D.	<i>Mitchill Professor</i>
CHARLES E. PELLEW, E.M.	<i>Adjunct Professor</i>
MARSTON TAYLOR BOGERT, LL.D.	<i>Professor of Organic Chemistry</i>
J. LIVINGSTON RUTGERS MORGAN, Ph.D.	<i>Professor of Physical Chemistry</i>
HENRY C. SHERMAN, Ph.D.	<i>Professor of Organic Analysis</i>
SAMUEL A. TUCKER, Ph.B.	<i>Adjunct Professor of Electro-Chemistry</i>
MARIE REIMER, Ph.D.	<i>Adjunct Professor (Barnard)</i>
EVERETT J. HALL	<i>Instructor in Assaying</i>
FLOYD J. METZGER, Ph.D.	<i>Instructor in Analytical Chemistry</i>
HAL T. BEANS, Ph.D.	<i>Instructor in Analytical Chemistry (Qualitative)</i>
CAVALIER HARGRAVE JOÛET, Ph.D.	<i>Tutor in Analytical Chemistry</i>
ARTHUR C. NEISH, Ph.D.	<i>Tutor</i>
ELEANOR KELLER, A.B.	<i>Tutor (Barnard)</i>
OTTO KRESS, Ph.D.	<i>Tutor</i>
JOHN M. NELSON, Ph.D.	<i>Tutor in Organic Chemistry</i>
WILLIAM CABLER MOORE, B.S.	<i>Tutor in Analytical Chemistry</i>
J. ENRIQUE ZANETTI, Ph.D.	<i>Tutor in Analytical Chemistry</i>
WILLIAM C. UHLIG, Ph.D.	<i>Assistant in Analytical Chemistry (Qualitative)</i>
ALFRED HOFFMAN, Ph.D.	<i>Assistant in Organic Chemistry</i>
FAREL L. JOUARD, Ph.D.	<i>Assistant in Electro-Chemistry</i>
CECILIA M. SILLCOX, A.B.	<i>Assistant (Barnard)</i>
CHARLES W. MCKONE	<i>Assistant in Analytical Chemistry</i>

EDGAR G. THOMSEN.....	Laboratory Assistant in Physical Chemistry
EDGAR M. FLINT, B.S....	Laboratory Assistant in Analytical Chemistry
BENJAMIN G. FEINBERG, B.S.....	Laboratory Assistant in Industrial Chemistry
RAYMOND B. BROWNLEE, A.B.....	Assistant
BEN M. JAQUISH, B.S.....	Assistant
CLAUDE F. WALKER, Ph.D.....	Assistant

## Courses

	Undergraduates only.	Graduates and Undergraduates.	Graduates only.
General and inorganic.....	1-19	100-119	200-219
Physical.....	20-39	120-139	220-239
Organic.....	40-59	140-159	240-259
Analytical and food.....	60-79	160-179	260-279
Industrial.....	80-99	180-199	280-299

*See preliminary paragraphs, page 52*

Courses given in Havemeyer Hall, numbered between 100 and 200, may be closed to women in the discretion of the Instructor.

1-2—General elementary chemistry. *C* 3 hours, *L* 2 hours. Dr. NEISH

3-4—General inorganic chemistry. 3 lectures and 1 recitation. Professor CHANDLER, Dr. KRESS, and others

7-8—Inorganic chemistry. *C* 2 hours, *L* second half-year only, 5 afternoons. Professor CHANDLER

101-102—Advanced inorganic chemistry. 2 hours. Professor PELLEW

21-22—Elementary physical chemistry. *C* 3 hours, second half-year only, *L* 1 afternoon throughout the year. Professor MORGAN and Assistant

37—Theoretical electro-chemistry. 2 hours. Professor MORGAN

23-24—Physical Chemistry, *C* 2 hours, *L* 5 afternoons, second half-year only. Professor MORGAN

121-122—Physical chemistry, general course. *C* 3 hours, *L* 1 afternoon, first half-year only. Professor MORGAN and Mr. THOMSEN

221-222—Advanced physical chemistry, laboratory course. Conferences, and *L* at least 16 hours. Professor MORGAN

223-224—Advanced physical chemistry, research. Laboratory work and conferences. Professor MORGAN

61 or 62—Qualitative analysis. *C* 4 hours, *L* 15 hours. Dr. BEANS, Dr. ZANETTI, Mr. MOORE, Dr. UHLIG

65—Quantitative analysis, inorganic, short course for Electrical Engineering. *C* 2 hours, *L* 6 hours. Dr. METZGER and Dr. JOÛET

66—Quantitative analysis, inorganic, for Mining Engineering. *C* 3 hours, *L* 15 hours. Dr. METZGER, Dr. JOÛET and Assistant

161-162—Quantitative analysis, short course. 1 lecture and *L* 8 hours. Dr. METZGER and Assistant

163-164—Quantitative analysis. *C* 4 hours, *L* 12 hours. Dr. METZGER and Dr. JOÛET

167-168—Advanced inorganic analysis. *C* 2 hours, *L* 15 hours second half-year for students in the course in Chemistry who elect thesis work in this course. Dr. METZGER

261-262—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Dr. METZGER

263-264—Research. Conferences and laboratory work. 20 hours. Original investigation in inorganic analysis or inorganic chemistry. Dr. METZGER

171—Organic and sanitary analysis. *C* 4 hours, and *L* 3 to 5 afternoons. Professor SHERMAN and Assistant

173-174—Advanced organic analysis. *C* 2 hours, *L* second half-year, 5 afternoons, for students who elect thesis work in this course. Professor SHERMAN

176—Chemistry of food and nutrition. 3 hours. Professor SHERMAN

271-272—Special methods of organic analysis and food investigation. Conferences and laboratory work 12 hours. Professor SHERMAN

273-274—Research. Conferences and laboratory work 20 hours. Original investigation in organic analysis or food chemistry. Professor SHERMAN

69 or 170—Assaying—Ores and metallurgical products. *C* 2 hours *L* 3 afternoons, first half-year for Mining Engineering and Metallurgy, second half-year for Chemistry. Mr. HALL

160—Special methods of assaying ores, alloys, and furnace products—Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours. Mr. HALL

41-42—Organic chemistry, elementary lecture course. 2 hours. Dr. NELSON

43-44—Organic chemistry, elementary laboratory course. 8 hours. Drs. NELSON and HOFFMAN

141-142—Organic chemistry—Comprehensive treatment of the subject. 4 lectures and 1 recitation, *L* first half-year, 4 afternoons. Professor BOGERT and Drs. NELSON and HOFFMAN

143-144—Organic chemistry. Conferences, 2 hours, and for

students who elect thesis work in organic chemistry *L* second half-year, 5 afternoons. Professor BOGERT

150—Organic Chemistry—The study of organic compounds and reactions with particular reference to their relation to commercial products and manufacturing processes. *C* 2 hours, *L* 9 hours. Drs. NELSON and HOFFMAN

151-152—Advanced Organic Chemistry, Laboratory Course. (The synthesis and study of such important groups of organic compounds as (a) dyestuffs, (b) essential oils and perfumes, (c) alkaloid, (d) synthetic drugs and organic substances of special interest to the medical profession, or similar groups to be selected by conference with the instructor). 6 hours. Professor BOGERT, Drs. NELSON and HOFFMAN

241-242—Advanced organic chemistry, laboratory course. 12 hours. Professor BOGERT

243-244—Advanced organic chemistry, research. Professor BOGERT

81-82—Industrial chemistry, general course. 3 lectures. Professor CHANDLER and Dr. KRESS

83-84, 85-86—Industrial chemistry, special course for students in chemistry. 3 lectures for two years, one half the subject being discussed each year. Professor CHANDLER, Professor SHERMAN, and Dr. KRESS

87 or 88—Industrial chemistry, laboratory practice for students in chemistry. 3 afternoons. Professor PELLEW

89—Industrial chemistry, laboratory practice for students in chemistry. Special applications. 1 or 2 afternoons. Professor PELLEW

91-92—Chemical microscopy. *L* 4 hours. Professor PELLEW

93-94—Electro-chemistry. 2 hours, and in the second half-year 5 afternoons. Professor TUCKER

97—Chemical factory apparatus and machinery. 3 hours. Professor PELLEW

[98—Cost of chemical operations in factories. 3 hours.]

183-184—Industrial electro-chemistry. Lectures and short laboratory course. 1 hour and the equivalent of 14 afternoons laboratory work. Professor TUCKER

181 or 182—Industrial electro-chemistry, laboratory practice. 10 hours a week. Professor TUCKER

295-296—Industrial chemistry, advanced course—Original research. Personal instruction and laboratory work. Professor PELLEW

281-282—Electro-chemical research—Original investigations. 16 hours. Professor TUCKER

283-284—Advanced electro-chemical research. Private study and original investigations for two years. Professor TUCKER

80 (a)—Factory inspection and summer memoir, 2d year. Professor PELLEW

80 (b)—Factory inspection and summer memoir, 3d year. Professor PELLEW

### Courses Given at Barnard College

The following courses are given separately at Barnard College: 5-6, by Professor REIMER, Miss KELLER, and Miss SILLCOX; 63, by Miss KELLER; 64, by Miss KELLER; 41-42, by Miss REIMER; 43-44, by Professor REIMER; 145-146, an advanced course in Organic Chemistry, by Professor REIMER; 105-106, an advanced course in Inorganic Chemistry, by Miss KELLER

### Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special *Announcements* of these Schools.

### Equipment

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 315 seats.

The Museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has 112 desks, each divided into two sections and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large, well-equipped balance-room, containing accurate balances, and special rooms, provided with apparatus for gas, water, food, and electrolytic analysis.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance-room, storeroom, and



thirty-six well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Organic Laboratory has forty large desks, provided with gas, water, exhaust, and electricity, and has special rooms for balances, pressure ovens, glass-blowing, and combustions.

The Laboratory of Industrial Chemistry, for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene, is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer-room, containing a new and complete outfit for the practical testing of illuminants.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new Laboratory for Practical Electro-Chemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments, and the laboratory has been arranged for carrying on research work in all branches of electro-chemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity, etc., as applied to chemical problems.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M., and during the session of the University from 8.00 to 11.00 P.M.

The Department of Chemistry at Barnard College has laboratories well equipped with every facility for the proper study of the subjects offered. The desks have water, gas, and electricity. There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of Chemistry in secondary and normal schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work



in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

### Chinese

(See Oriental Languages)

### Civil Engineering

WILLIAM HUBERT BURR, C.E.....	Professor
EARL BRINK LOVELL, C.E....	Professor
IRA H. WOOLSON, E.M.....	Adjunct Professor
ADOLPH BLACK, C.E.....	Adjunct Professor
CHAS. E. MORRISON, Ph. D.....	Instructor
MYRON SAMUEL FALK, Ph.D.....	Lecturer
ELIHU CUNYNGHAM CHURCH, C. E.....	Lecturer
JAMES S. MACGREGOR, M.S.....	Assistant
FRANCIS S. FOOTE, Jr., E.M..	Assistant
LEONARD D. NORSWORTHY, C.E.....	Assistant

### Courses

*See introductory paragraphs, page 52*

2—Theory of plane surveying—for engineering students. 2 hours.  
Professor LOVELL and Mr. FOOTE

15—Surveying practice—five weeks' field work. Professor LOVELL,  
Mr. FOOTE, and Assistants

21—Road engineering. 2 hours. Mr. MORRISON

23—Theory of railroad surveying—for mining engineering students.  
2 hours and one afternoon. Professor LOVELL and Mr. FOOTE

25—Surveying practice—for civil engineering students,—five weeks'  
field work. Professor LOVELL, Mr. FOOTE, and Assistants

26—Hydrographic surveying—combined with geodetic surveying and  
together requiring five weeks—for civil engineering students,—two  
weeks' field and office work. Professor LOVELL, Mr. FOOTE, and  
Assistants

27—Surveying practice—for mining engineering students,—five  
weeks' field work. Professor LOVELL, Mr. FOOTE, and Assistants

28—Railroad surveying—for mining engineering students,—three  
weeks' field work. Professor LOVELL, Mr. FOOTE, and Assistants

51-52—Theory of railroad location—for civil engineering students,  
2 hours and one afternoon first half-year, 3 hours and one afternoon  
second half-year. Professor LOVELL and Mr. FOOTE

53—Resistance of materials. 5 hours and one afternoon. Professor  
BURR, Professor WOOLSON, Mr. MORRISON, and Mr. NORSWORTHY

54—Resistance of materials. Design work. One afternoon. Professor BURR, Mr. MORRISON, and Mr. NORSWORTHY

58—Masonry structures. 3 hours and one afternoon. Mr. MORRISON

59—Sanitary treatment of water-supplies and of sewage. 2 hours. Professor BLACK

61—Theory of trusses. 2 hours and one afternoon. Mr. MORRISON

62—Graphic statics—for civil engineering students. 2 hours and one afternoon. Mr. MORRISON

64—Graphic statics—for mining engineering students. 1 hour and one afternoon. Mr. MORRISON

71—Railroad surveying—for civil engineering students,—four weeks' field work. Professor LOVELL, Mr. FOOTE, and Assistants

75—Hydraulics—for civil engineering students. 4 hours. Professor BLACK

76—Hydraulics—for mining engineering students 3 hours (during March, April, and May). Professor BLACK

77—Hydraulics—for electrical engineering students. 2 hours. Professor BLACK

78—Hydraulics—for mechanical engineering students. 2 hours. Professor BLACK

85—Foundations. 2 hours. Professor BURR

87-88—Design of bridges and buildings. 2 hours and two afternoons. Professor BURR and Mr. MORRISON

89-90—Railroad engineering, construction, and operation. 3 hours and one afternoon. Professor LOVELL and Mr. FOOTE

94—The design and construction of sewers and irrigation. 2 hours. Professor BLACK

95—Engineering contracts and specifications. 2 hours. Mr. CHURCH

98—Water supply, and river and harbor improvements. 2 hours. Professor BLACK

100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

### Summer Courses in Surveying

These courses are conducted during fifteen weeks each summer vacation at a point in the country near Litchfield, Conn., where

ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers 15, 25, 26, 27, 28, and 71. The University issues a special pamphlet with regard to these courses, which may be had upon application to the Secretary.

### Advanced Courses

#### Minor Subjects

153-154—Elasticity and resistance of materials.

257-258—Elastic and masonry arches. Conferences with reading and design work as required. Based upon Course 58.

275-276—Hydraulics (75 with additional reading).

285-286—Foundations, including theory of earth pressure (85 with additional reading).

287-288—Long-span bridges. Conferences with reading and design work as required. Based upon Courses 87-88.

#### Major Subjects

259-260—Sanitary engineering. Based upon Course 59.

277-278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water-works.

279-280—Municipal engineering, including water-works, sewers and sewage-works, streets, and other public works, and their administration.

289-290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials.

### Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various struc-

tural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes of investigation in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar, as well as to ascertain the weight, fineness, and other physical properties of such cement, sand, and mortar as may be assigned to them for examination.

A laboratory for the testing of road materials is equipped with all the necessary apparatus for the determination of the wearing and cementing qualities of stone or other road material.

In addition, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the departments for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are constantly being made. The collection of engineering literature forms a part of the general Library of the University, and is available for both undergraduate and graduate study.

### Clinical Instruction

*in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Obstetrics, Gynecology, Hydrotherapy, Neurology, and Pediatrics, details will be found under the general heading of these departments.*

VIRGIL P. GIBNEY, M.D., LL.D.....	<i>Professor of Orthopedic Surgery</i>
WILLIAM K. SIMPSON, M.D.....	<i>Professor of Laryngology</i>
ARNOLD H. KNAPP, M.D.....	<i>Professor of Ophthalmology</i>
GORHAM BACON, M.D.....	<i>Professor of Otology</i>
JAMES R. HAYDEN, M.D.....	<i>Professor of Genito-Urinary Diseases</i>
ROYAL WHITMAN, M.D.....	<i>Adjunct Professor of Orthopedic Surgery</i>
GEORGE T. JACKSON, M.D.....	<i>Professor of Dermatology</i>
WALTER F. CHAPPELL, M.D.....	<i>Professor of Clinical Laryngology</i>
ROBERT LEWIS, Jr., M.D.....	<i>Professor of Clinical Otology</i>
RUDOLF C. DENIG, M.D.....	<i>Professor of Clinical Ophthalmology</i>
RICHARD FROTHINGHAM, M.D.....	<i>Instructor in Laryngology</i>
WARD A. HOLDEN, M.D.....	<i>Chief of Clinic and Instructor in Ophthalmology</i>
HENRY H. TYSON, M.D.....	<i>Instructor in Ophthalmology</i>
GEORGE SLOAN DIXON, M.D.....	<i>Chief of Clinic and Instructor in Otology</i>
SAMUEL W. THURBER, M.D.....	<i>Chief of Clinic and Instructor in Laryngology</i>

WALTER S. REYNOLDS, M.D.,	<i>Chief of Clinic and Instructor in Genito-Urinary Diseases</i>
CHARLES H. JAEGER, M.D.....	<i>Chief of Clinic and Instructor in Orthopedic Surgery</i>
T. LAURANCE SAUNDERS, M.D.....	<i>Instructor in Otology</i>
HARMON SMITH, M.D.....	<i>Instructor in Clinical Laryngology</i>
JOHN H. P. HODGSON, M.D.....	<i>Chief of Clinic and Instructor in Dermatology</i>
WILLIAM BLANCARD, M.D.....	<i>Instructor in Genito-Urinary Diseases</i>
HUGH B. BLACKWELL, M.D.....	<i>Instructor in Clinical Otology</i>
FRED. H. ALBEE, M.D.....	<i>Instructor in Orthopedic Surgery</i>
BRANDRETH SYMONDS, M.D.....	<i>Lecturer on Life Insurance</i>

### Clinical Assistants

#### *In Orthopedic Surgery*

SIGMUND EPSTEIN, M.D.	IRVING D. STEINHARDT, M.D.
WILLIAM FRIEDER, M.D.	

#### *In Otology*

MATTHEW L. CARR, M.D.	ALFRED MICHAELIS, M.D.
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#### *In Dermatology*

JOHN ALDRICH, M.D.	JAMES D. GOLD, M.D.
CHARLES T. DADE, M.D.	GEO. HOWARD FOX, M.D.
S. DANA HUBBARD, M.D.	SELDEN I. RAINFORTH, M.D.
CHARLES W. MCMURTRY, M.D.	

#### *In Ophthalmology*

GERALD H. GROUT, M.D.	NATHAN GOODFRIEND, M.D.
CHRISTOPHER J. ASTLE, M.D.	PHILIP CONBOY, M.D.

#### *In Laryngology*

ARTHUR P. COLL, M.D.	T. JOSEPH BARRY, M.D.
JOHN LESHURE, M.D.	CHARLES OSGOOD, M.D.
F. CONGER SMITH, M.D.	IRVING W. VOORHEES, M.D.
C. D. VAN WAGENEN, M.D.	CHARLES ALLEN WHITING, M.D.

#### *In Genito-Urinary Diseases*

WALTER B. BROUNER, M.D.	S. W. FOWLER, M.D.
JAMES A. COWAN, M.D.	

*All communications regarding these courses should be addressed to the Dean of the Faculty of Medicine, 437 West 59th Street.*

### Courses

*See preliminary paragraphs, page 52*



### In Dermatology

51-52—Clinical instruction in diagnosis and treatment at the Vanderbilt Clinic. 12 lessons for each student. Dr. HODGSON

53-54—Systematic instruction at the Vanderbilt Clinic. 16 lessons for each student. Professor JACKSON

55-56—Histo-pathology of skin diseases. Dr. RAINFORTH

### In Genito-Urinary Diseases

51-52—Genito-urinary diseases. Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HAYDEN

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Dr. REYNOLDS

56—Hospital clinics. Bellevue Hospital, January, February, March, and April. Professor HAYDEN

57-58—Practical instruction in treatment at Vanderbilt Clinic. 6 exercises. Dr. BLANCARD

### In Laryngology

51-52—Didactic lectures. 1 hour. Professor SIMPSON

53-54—Practical clinical instruction to sections in the use of instruments. 12 lessons for each student. Dr. THURBER

55-56—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

57-58—Operative clinics at the Manhattan Eye, Ear, and Throat Hospital. Professor CHAPPELL and Dr. SMITH

### In Ophthalmology

52—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor KNAPP

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. HOLDEN and TYSON

56—Operative clinics at the N. Y. Ophthalmic and Aural Institute. Professor KNAPP

### In Orthopedic Surgery

51-52—Clinic in orthopedic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour. Professor GIBNEY

53-54—Practical instruction. 8 lessons for each student, at the Hospital for Ruptured and Crippled. Professor WHITMAN.

55-56—Practical instruction. 8 lessons for each student, at the Vanderbilt Clinic. Dr. JAEGER

57-58—Bedside instruction in radiography. 4 lessons. Dr. ALBER



59-60—Operations at the Hospital for Ruptured and Crippled (*optional*). Professor GIBNEY

### In Otology

51—Didactic lectures in pathology and therapeutic methods. 1 hour. Professor BACON

53-54—Practical instruction at the Vanderbilt Clinic. 12 lessons for each student. Drs. DIXON and SAUNDERS

55-56—Operative clinics at the New York Eye and Ear Infirmary. Professors BACON and LEWIS and Dr. BLACKWELL

### Clinical Pathology

FRANCIS CARTER WOOD, M.D.....	Professor
KARL M. VOGEL, M.D.....	Adjunct Professor
D. STUART DODGE JESSUP, M.D.....	Instructor
PETER IRVING, M.D.....	Assistant
EDWARD CUSSLER, M.D.....	Assistant

Close association is maintained between this department and the Departments of Pathology and Bacteriology and Hygiene, so as to facilitate instruction and research in these closely allied subjects.

*See preliminary paragraphs, page 52*

### Courses

52—Systematic instruction in clinical pathology. 6 hours for one quarter of the academic year. Professors WOOD and VOGEL, and Dr. JESSUP

53-54—Practical exercises in clinical pathology to sections in the Vanderbilt Clinic Laboratory. 10 hours for one fourth of the academic year. Professors WOOD and VOGEL and Drs. CUSSLER and IRVING

200—Special laboratory course in clinical pathology. Professors WOOD and VOGEL

### Research

Qualified workers may pursue research either in the laboratory of Clinical Pathology on the fourth floor of the north wing of the College building, in the Vanderbilt Clinic Laboratory, or in the Pathological Laboratories of St. Luke's Hospital. Professors WOOD and VOGEL

### Equipment

Systematic instruction in clinical pathology is given in the west lecture-room on the fifth floor of the Vanderbilt Clinic building. Students are furnished with apparatus sufficient to enable them to carry out such tests as are necessary for the exposition of the subject; and demonstrations are made of special methods and more complicated

apparatus. In order to permit the student to make independently such examinations as are needed in the diagnosis and treatment of disease, a new laboratory has been erected between the Vanderbilt Clinic and the Sloane Maternity Hospital, with accommodations and apparatus for twelve workers. In this laboratory the students make examinations of the secretions and excretions of patients from the clinical courses at the Vanderbilt Clinic and the hospitals.

### Comparative Literature

JEFFERSON BUTLER FLETCHER, A.M. . . . . *Professor*  
JOEL ELIAS SPINGARN, Ph.D. . . . . *Professor*

#### Courses

*See preliminary paragraphs, page 52*

1-2—Introduction to European literature from the Renaissance to the present day. 3 hours. Professor SPINGARN

209-210—The Renaissance in Europe. Introductory course. 2 hours. Professors FLETCHER and SPINGARN

[211-212—The Romantic movement in Europe: Introductory course. 2 hours. Professors THOMAS, FLETCHER, and SPINGARN]

203-204—History of literary criticism in modern Europe. 3 hours. Professor SPINGARN

213-214—The literary relations of England and the Continent in the sixteenth century. 2 hours. Professor FLETCHER

221-222—Seventeenth-century literature, with special reference to continental influences in England. 2 hours. Professor SPINGARN

301-302—Seminar—Dante and mediæval culture. 2 hours. Professor FLETCHER

303-304—Seminar—The methods of criticism. 2 hours. Professor SPINGARN

305-306—Seminar—The development of social ideals in modern literature. 2 hours. Professor SPINGARN

307-308—Seminar—The pastoral. 2 hours. Professor FLETCHER

315-316—Special topics in comparative literature. Professors FLETCHER and SPINGARN

#### Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subjects of literary history and criticism and the latest phases of literary scholarship are well represented in the Library, and those subjects with which the courses directly deal are

represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few years several thousand volumes have been purchased by the department with a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasuries of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject.

### Design

*For list of officers and other information see Faculty of Fine Arts*

1-2—History of art—Collateral reading and research. 4 hours.  
Professors ALEXANDER, DOW, and Mr. E. R. SMITH

101-102—History of art—Advanced reading and research. 8 hours. Professors ALEXANDER, DOW, and Mr. E. R. SMITH

### Diseases of Children

L. EMMETT HOLT, M.D., LL.D., Sc.D.....	<i>Carpentier Professor</i>
LINNAEUS EDFORD LA FETRA, M.D....	<i>Associate and Chief of Clinic</i>
HENRY W. BERG, M.D.....	<i>Instructor</i>
JOHN HOWLAND, M.D.....	<i>Instructor</i>
FREDERICK H. BARTLETT, M.D.....	<i>Instructor</i>
SIDNEY V. HAAS, M. D.....	<i>Assistant</i>
HERBERT B. WILCOX, M.D.....	<i>Assistant</i>
LEWIS M. SILVER, M.D.....	<i>Assistant</i>
ARTHUR W. BINGHAM, M.D.....	<i>Assistant</i>

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ABRAHAM JACOBI, M.D., LL.D.....*Emeritus Professor*

#### *Clinical Assistants*

ANDREW B. YARD, M.D.	WM. V. P. GARRETSON, M.D.
IRA S. WILE, M.D.	IRVING D. STEINHARDT, M.D.
M. H. SICARD, M.D.	B. WALLACE HAMILTON, M.D.
CHARLES HERRMAN, M.D.	P. CLINTON PUMYEA, M.D.
GEO. A. SCHNEPEL, M.D.	EDWIN A. RIESENFELD, M.D.

### Courses

*See preliminary paragraphs, page 52*

51—Clinical lectures at the Vanderbilt Clinic. 1 hour. Professor HOLT

- 52—Didactic lectures at the College. 1 hour. Professor HOLT
- 53-54—Hospital clinic—Foundling or Babies' Hospital. 3 hours a week. Professor HOLT
- 55-56—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 12 lessons for each student. Dr. LA FETRA and Assistants
- 57—A weekly recitation in pediatrics for each student for half the year. Dr. BARTLETT
- 59-60—Bedside instruction in contagious diseases at the Willard Parker and Scarlet Fever Hospitals to small sections of the class. Drs. HOWLAND and BERG
- 61-62—Practical clinical instruction—Bellevue Hospital Out-Patient Department. Drs. HOWLAND and WILCOX
- Bedside instruction in the wards of Bellevue Hospital. Dr. HOWLAND

### Post-Graduate Instruction

A limited number of students will be received in this department for post-graduate instruction.

No students will be admitted for less than one half the academic year, and applicants must have had a previous hospital training.

The instruction will include clinical work in general diagnosis and treatment of diseases of children in the wards of the Babies' and Foundling Hospitals, and in the Children's Ward of Bellevue, and in the Vanderbilt Clinic, together with special instruction in contagious diseases at Willard Parker and the Scarlet Fever Hospitals, and opportunities for witnessing post-mortem examinations.

### Domestic Art and Domestic Science

Some fifty courses in these and related fields are provided by the School of Household Arts of Teachers College and described in the special circular of that school.

### Economics and Social Science

EDWIN R. A. SELIGMAN, Ph.D., LL.D.....	<i>McVickar Professor</i>
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D.....	<i>Professor</i>
JOHN BATES CLARK, Ph.D., LL.D.....	<i>Professor</i>
HENRY ROGERS SEAGER, Ph.D.....	<i>Professor</i>
<sup>1</sup> HENRY LUDWELL MOORE, Ph.D.....	<i>Professor</i>
VLADIMIR G. SIMKHOVITCH, Ph.D.....	<i>Adjunct Professor</i>
EDWARD THOMAS DEVINE, Ph.D., LL.D.....	<i>Schiff Professor</i>
SAMUEL McCUNE LINDSAY, Ph.D., LL.D.....	<i>Professor</i>
MARY KINGSBURY SIMKHOVITCH, A.B. (Mrs.) ....	<i>Adjunct Professor</i>
HENRY R. MUSSEY, Ph.D.....	<i>Adjunct Professor</i>

<sup>1</sup> Absent on leave 1909-10

GEORGE J. BAYLES, Ph.D.....	<i>Associate in Ecclesiology</i>
ALVAN A. TENNEY, Ph.D.....	<i>Tutor</i>
EUGENE E. AGGER, Ph.D.....	<i>Lecturer</i>
LILIAN BRANDT, M.A.....	<i>Assistant</i>

### Courses in Political Economy and Finance

*See introductory paragraphs, page 52*

**A1-A2**—Outlines of economics—Practical economic problems. Recitations, lectures, and essays. 3 hours. Professor MUSSEY and Dr. AGGER—(Barnard College)

**1-2**—Introduction to economics—Practical economic problems—Lectures and recitations. 3 hours. Professor SELIGMAN, Professor MUSSEY, and Dr. AGGER

**101**—Science of finance—I: Public expenditures and revenues—Lectures and private reading. 2 hours. Professor SELIGMAN

**102**—Science of finance—II: Taxation, public debts, and the budget—Lectures and private reading. 2 hours. Professor SELIGMAN

**104**—Commerce and commercial policy—Lectures, discussions, and reading. 2 hours. Professor MUSSEY

**105**—The labor problem—Lectures and private reading. 2 hours. Professor SEAGER

This course is also given at Barnard College as a three-hour (four point) course (116)

**106**—The trust and corporation problem—Lectures and private reading. 2 hours. Professor SEAGER

**107**—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours. Professor SELIGMAN

[**108**—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours. Professor SELIGMAN]

**109**—Socialism—Lectures and private reading. 2 hours. Professor V. G. SIMKHOVITCH

This course is given at Barnard College by Professor CLARK

**110**—Theories of social reform—Lectures and private reading. 2 hours. Professor CLARK

This course, combined with the previous course (109) under the title "Socialism and social reform," is given at Barnard College as a three-hour (four point) course (115)

[**112**—Money and banking. Lectures, discussions, and reading. 2 hours. Professor SEAGER]

**201**—Economic readings—I: Classical English economists—Lectures, assigned readings, and reports. 2 hours. Professor SEAGER

[**203**—History of economics to Adam Smith—Lectures and private reading. 2 hours. Professor SELIGMAN]

[**204**—History of economics since Adam Smith—Lectures and private reading. 2 hours. Professor SELIGMAN]



205—Economic theory—I: The static laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

206—Economic theory—II: The dynamic laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

[207—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE]

[210—Social statistics—Lectures and laboratory. 2 hours. Professor MOORE]

[241—Economic and social evolution of Russia since 1800. 2 hours. Professor V. G. SIMKHOVITCH]

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor V. G. SIMKHOVITCH

301-302—Seminar in political economy and finance. 2 hours. Professors SELIGMAN, CLARK, and SEAGER

#### Courses in Sociology and Statistics

151—Principles of sociology: analytical and descriptive. 2 hours. Professor GIDDINGS and Dr. TENNEY

152—Principles of sociology: historical. 2 hours. Professor GIDDINGS and Dr. TENNEY

[251—Social evolution: ethnic and civil origins—Lectures and private reading. 2 hours. Professor GIDDINGS]

[252—Social evolution: civilization, liberty, and democracy—Lectures and private reading. 2 hours. Professor GIDDINGS]

[255—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE]

[256—Social statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE]

257—Historical types of society, ancient: the theory of progress. Lectures and private reading. 2 hours. Professor GIDDINGS

258—Historical types of society, modern: the theory of progress. Lectures and private reading. 2 hours. Professor GIDDINGS

259—Ecclesiology—Lectures and private reading. 1 hour. Dr. BAYLES

311-312—Seminar in sociology. 2 hours, bi-weekly. Professors GIDDINGS, H. L. MOORE and SHOTWELL, and Dr. TENNEY

313-314—Seminar in primitive institutions in Europe. 2 hours. Professor SHOTWELL



315-316—Seminar in modern problems of social evolution. 2 hours, bi-weekly. Dr. TENNEY

### Courses in Social Economy

11-12—The industrial family. 2 hours. Professor M. K. SIMKHOVITCH (Barnard College)

13-14—Social progress in cities. 2 hours. Professor M. K. SIMKHOVITCH (Barnard College)

281—Misery and its causes.—Lectures and discussions. 2 hours. Professor DEVINE

282—Efficiency and relief. Lectures and discussions. 2 hours. Professor DEVINE

283-284—American social legislation, Federal and State. Lectures and private reading. 2 hours. Professor LINDSAY

287-288—Social legislation relating to city and rural community life—Lectures and private reading. 2 hours. Professor LINDSAY

321-322—Seminar in social economy. 2 hours. Professors DEVINE and LINDSAY

### Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than eighty thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the New York School of Philanthropy, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy, which contains one of the most complete collections of works on economics to be found in the United States.

The facilities offered to students of sociology and social economy include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrange-

ments have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professor H. L. MOORE, is equipped with the Hollerith tabulating machines, comptometers and all other modern facilities.

Students also have the privilege of attending all of the courses in the School of Philanthropy conducted by the Charity Organization Society.

## Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

All Teachers College courses are open to men and women on equal terms. For the significance of course numbers see page 52.

*A full statement of the nature of each of the following courses, the work prerequisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas, and similar statements concerning some sixty semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College.*

## History of Education

**B**—History and principles of education. 3 hours. Professors MONROE and SUZZALLO and Assistants

**B (a)**—History of education up to modern times—First third of Education **B**, above. 1 hour. Dr. COLE

**103**—Educational theories of Herbart and Froebel. 2 hours. Dr. COLE

**109-110**—Social and philosophical foundations of Greek and Roman education. 2 hours. Dr. COLE

**201-202**—History and principles of education—Special graduate section of course **B**, above. 2 hours. Professor MONROE and Dr. COLE

**203-204**—Practicum—History of education in the United States 2 hours. Professor MONROE

[210—Practicum—History of education in England. 2 hours. Professor MONROE]

303-304—Seminar—History of education. Professor MONROE

### Philosophy of Education

B (b)—Principles of education. 1 hour. Professor SUZZALLO

[6—Logic as applied to problems of teaching. 2 hours. Professor DEWEY]

38—Social life and the school curriculum. 2 hours. Professor DEWEY

105—The principles of education. 3 hours. Dr. COLE

108—Educational sociology. 3 hours. Professor SUZZALLO

205-206—Practicum—Philosophy of education. 2 hours. Professor DEWEY

305-306—Seminar—Philosophy of education. Professor MAC-VANNEL

### Educational Administration

112—School administration. 4 hours. Professor DUTTON

113—Foreign school systems. 4 hours. Professor SNEDDEN

115-116—Administration of social education. 2 hours. Professor SNEDDEN

211-212—Practicum—Administration of public education in the United States. 2 hours. Professors SNEDDEN and DUTTON

213-214—Practicum—Foreign school systems. 2 hours. Professor SNEDDEN and Dean RUSSELL

311-312—Seminar—Educational administration. Dean RUSSELL and Professors SNEDDEN and DUTTON

### Educational Psychology

A—Educational psychology. 2 hours lectures. 3 hours conferences. Professors THORNDIKE and NORSWORTHY, Dr. BINGHAM and Miss WHITLEY

19-20—Readings in educational psychology. 2 hours. Professor NORSWORTHY

21-22—The psychology of childhood. 2 hours. Professor NORSWORTHY

24—The psychology and education of exceptional children. 2 hours. Professors NORSWORTHY and THORNDIKE

121-122—Educational psychology, advanced course. 2 hours. Professor THORNDIKE

221-222—Practicum—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321-322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

### Secondary Education

125-126—Secondary education, general course. 3 hours. Professor SACHS

127-128—Secondary education, advanced course. 2 hours. Professor SACHS and Miss STEVENS

129-130—Secondary education in Germany. 2 hours. Professor SACHS

225—Practicum—Secondary education. 2-4 hours. Professor SACHS

325-326—Seminar in secondary education. Professor SACHS

153-154—The teaching of biological science in secondary schools. 3 hours. Professor BIGELOW and Miss BROADHURST

253-254—Practicum in the teaching of biological sciences in secondary and normal schools. 2 hours. Professor BIGELOW

55 and 56—The teaching of domestic art. Each 5 hours. Professor WOOLMAN and Miss COOLEY

155-156—Organization and administration of domestic art. 2 hours. Professor WOOLMAN

57 and 58—The teaching of domestic science. Each 5 hours. Professor KINNE and Miss C. WINCHELL

157-158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

257-258—Practicum in domestic science. 2 hours. Professor KINNE

162—The teaching of English in secondary schools. 6 hours. Professor BAKER

[261-262—Practicum in the teaching of English. 2 hours. Professor BAKER]

63-64—The teaching of art. 3 hours. Professor DOW and Miss BROOKS

163-164—Supervision of fine arts. 2 hours. Professor DOW

165-166—The teaching of French. 3 hours. Professor COHN

167-168—The teaching of geography. 3 hours. Professor DODGE and Miss KIRCHWEY

267-268—Practicum in geography. 2 hours. Professor DODGE

169-170—The teaching of German in secondary schools. 3 hours.  
Professor BAGSTER-COLLINS

269-270—Practicum in German. 2 hours. Professor BAGSTER-COLLINS

171-172—The teaching of Greek in secondary schools. 3 hours.  
Professor LODGE

73—Teaching in training schools for nurses. 4 hours. Professor NUTTING

74—Training school administration. 2 hours. Professor NUTTING and special lecturers

173—The teaching of history in secondary schools. 5 hours.  
Professor JOHNSON

273-274—Practicum in the teaching of history. 2 hours. Professor JOHNSON

175—The teaching of Latin in secondary schools. 6 hours. Professor LODGE

275-276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

375-376—Seminar—Problems in Latin syntax. Professor LODGE

77-78—The teaching of manual training. 3 hours. Mr. NOYES

177-178—Administration of industrial education. 2 hours. Dean RUSSELL, Professor THORNDIKE, and lecturers.

179-180—The teaching of mathematics in secondary schools. 3 hours. Professor SMITH

279-280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH

379-380—Seminar in the history and teaching of mathematics  
Professor SMITH

81—The teaching of school music. 3 hours. Professor FARNSWORTH

181-182—Supervision of school music. 2 hours. Professor FARNSWORTH

87—Personal hygiene. 3 hours. Professor WOOD

88—Institutional hygiene. 3 hours. Professor WOOD

189-190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and Assistants

289-290—Practicum in physical education. 2 hours. Professor WOOD

191-192—The teaching of physical science in secondary schools. 3 hours. Professor WOODHULL and Miss VAN ARSDALE

291-292—Practicum in physical science. 2 hours. Professor WOODHULL

Elementary Education

33-34—Theory and practice of teaching in elementary schools. 5 hours. Professors STRAYER, BAKER, DODGE, SMITH, JOHNSON, and Mr. SANDIFORD

33a-34a—Theory and practice of teaching in elementary schools. First section of above course. 2 hours. Professor STRAYER and Mr. SANDIFORD

133-134—Criticism and supervision of instruction in the primary school. 3 hours. Professor McMURRY

133ab-134ab—Supervision of instruction in the elementary school. 2 hours. Professor McMURRY

231-232—Criticism and supervision of instruction in the elementary school. 3 hours. Professor McMURRY

233-234—Practicum—Current problems in elementary education. 2 hours. Professor STRAYER

333-334—Seminar. Professors McMURRY and STRAYER

55 and 56—The teaching of domestic art. Each 5 hours. Miss COOLEY

155-156—Organization and administration of domestic art. 2 hours. Professor WOOLMAN

57 and 58—The teaching of domestic science. Each 5 hours. Professor KINNE and Miss C. WINCHELL

157-158—Supervision and critic teaching in domestic science. 2 hours. Professor KINNE

63-64—The teaching of art. 3 hours. Professor Dow and Miss BROOKS

163-164—Supervision of fine arts. 2 hours. Professor Dow

67—The teaching of geography in elementary schools. 2 hours. Professor DODGE and Miss KIRCHWEY

77-78—The teaching of manual training. 3 hours. Mr. NOYES

177-178—Administration of industrial education. 2 hours. Dean RUSSELL, Professor THORNDIKE, and lecturers

79-80—The teaching of mathematics in elementary schools. 1 hour. Professor SMITH

81—The teaching of school music. 3 hours. Professor FARNSWORTH

181-182—Supervision of school music. 2 hours. Professor FARNSWORTH



183—The teaching of nature-study. 2 hours. Professors BIGELOW and WOODHULL

87—Personal hygiene. 3 hours. Professor WOOD

88—Institutional hygiene. 3 hours. Professor WOOD

189-190—The teaching of physical education. 3 hours. Professor WOOD, Miss CRAWFORD, and assistants

### Kindergarten Education

41-42—Kindergarten principles. 2 hours. Miss FULMER

45-46—Theory and practice of kindergarten teaching. 4 hours. Miss FULMER

143-144—Kindergarten conference. 2 hours. Miss HILL

145-146—Theory and practice of kindergarten education. 3 hours. Miss HILL

Nine other, introductory, courses in kindergarten are also given.

### Electrical Engineering

MICHAEL I. PUPIN, Sc.D., Ph.D. . . . *Professor of Electro-Mechanics and Administrative Head*

<sup>1</sup> FRANCIS B. CROCKER, E.M., Ph.D. . . . . *Professor*

GEORGE FRANCIS SEVER, M.Sc. . . . . *Professor*

CYPRIEN O. MAILLOUX, E.E., M.Sc. . . . . *Associate*

MORTON ARENDT, E.E. . . . . *Instructor and Secretary of the Department*

J. HAROLD MORECROFT, E.E., B.S. . . . . *Instructor*

FREDERICK W. HEHRE, E.E. . . . . *Tutor*

FRANK L. MASON, E.E. . . . . *Assistant*

### Non-Resident Lecturers

PERCY THOMAS, E.E. . . . . *High Tension Transmission*

THOMAS EWING, A.B., LL.B. . . . . *Patent Law*

BANCROFT GHERARDI, E.E. . . . . *Telephone Engineering*

CHARLES E. KNOX, E.E. . . . *Electric Distribution and Plant Management*

### Courses

*For the significance of course numbers see page 52*

1—Elements of electrical engineering—General electrical principles, laws, measurements, and their applications. 2 hours. Mr. ARENDT and Mr. MORECROFT

2—Elements of the dynamo—The principles and general construction of dynamo-electric machinery. 2 hours. Professor SEVER

52—Design of direct-current machinery Complete and original

<sup>1</sup> Absent on leave 1909-10.

design with all calculations and working drawings of a specially assigned electric generator or motor. 2 hours and 1 afternoon. Professor SEVER

54—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 2 hours and 1 afternoon. Mr. ARENDT

72—Direct-current laboratory—Short course for students in Mining, Civil, Metallurgical, Sanitary, and Chemical Engineering. 1 afternoon. Professor SEVER and Mr. HEHRE

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon. Professor SEVER and Mr. HEHRE

75—Alternating-current laboratory—Short course for students in Mining, Metallurgical and Mechanical Engineering. 1 afternoon. Mr. MORECROFT

76—Alternating-current laboratory. Same as E.E. 75. For students in Civil Engineering. 1 afternoon. Mr. MORECROFT

98—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department.

101—Dynamo and motor practice—Principles, construction, operation, and testing. 2 hours. Professor SEVER

103—Electric power—Electric motors, their action, control, and application. 3 hours. Mr. ARENDT

104—Electric distribution—Principles and methods of transmitting and distributing direct and alternating currents. 3 hours. Messrs. MAILLOUX, KNOX and ARENDT

105—Electric plants—The design and installation of electric power systems, including controlling, translating, and transmitting equipments. 2 hours. Mr. ARENDT

106—Management of electrical plants—Operation, organization, and administration. 2 hours. Messrs. MAILLOUX, ARENDT, KNOX, and EWING

110—Telegraph and telephone. 2 hours. Mr. ARENDT and Mr. GHERARDI

112—Electric railways—Their design, installation, and operation. 2 hours. Mr. MAILLOUX

173-174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Professor SEVER and Mr. HEHRE

175—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 1 hour and 1 afternoon. Professor PUPIN, Mr. MORECROFT, and Assistants

**176**—Continuation of E.E. 175. 2 hours and 2 afternoons. Professor PUPIN, Mr. MORECROFT, and Assistants

**177**—Electrical instrument laboratory. Electrical measurements, storage-battery testing, photometry of electric lamps. 1 hour and 2 afternoons. Professor SEVER and Mr. MASON

**201-202**—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

**1 Mechanics 107**—Theory of Electricity and Magnetism. 2 hours. Professor WILLS

**1 Mechanics 108**—Theory of Dynamo and Motor. 3 hours. Professor WILLS

**1 Mechanics 109**—Theory of Alternator and Transformer. 3 hours. Professor PUPIN

**1 Mechanics 110**—Theory of Variable Currents. 2 hours. Professor PUPIN

### Equipment

The offices, laboratories, museums, and lecture-rooms of the Electrical Engineering Department are in the southern portion of the Engineering Building.

The laboratories located in the basement contain direct and alternating-current machinery and apparatus. The various machines in these laboratories are respectively examples of constant-potential generators, constant-current arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, transmission and absorption dynamometers are available for testing the various generators and motors.

The alternating-current apparatus includes single-phase and poly-phase generators, induction and synchronous motors, rotary converters, and various types and sizes of transformers. Test boards and complete sets of alternating-current measuring instruments and curve-tracing apparatus, such as an oscillograph and ondograph, are also provided.

The lecture-rooms are provided with an ample supply of electrical energy of different forms, and other facilities for experimental demonstrations. The museum contains collections of apparatus, models, and materials relating to electrical engineering.

The large instrument laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells, and resistances, measuring apparatus, laboratory standard volt and ammeters, as well as the high-tension testing sets. A storage battery is provided for testing, calibration and standardization purposes.

<sup>1</sup> See Physics, page 149.

The photometric laboratory of this department is situated in the basement of Havemeyer Hall and it is equipped with various forms of photometers for gas, arc, and incandescent lamp testing.

### Engineering Drafting

RALPH E. MAYER, C.E.....*Adjunct Professor of Mechanical Drawing*  
 SAMUEL O. MILLER, C.E.....*Instructor*  
 THOMAS H. HARRINGTON, C. E.....*Instructor*  
 JOHN A. HOAG, C.E.....*Assistant*

#### Courses

*See introductory paragraphs, page 52*

1 or 2—(a) Elements of mechanical drawing; freehand lettering; (b) Projections; (c) Machine drawing—sketches, tracing; (d) Topography

C 1 hour for one half-year, D 14 hours for one half-year. Professor MAYER, Mr. MILLER, Mr. HARRINGTON, and Mr. HOAG

3 or 4—Descriptive geometry—Problems on point, line, and plane; tangent planes; intersections and developments; warped surfaces. C 3 hours for one half-year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

5 or 6—(a) Graphics—Shades and shadows; perspective; (b) Stone-cutting. C 1 hour and D 6 hours for one half-year. Professor MAYER and Mr. MILLER and Mr. HARRINGTON

7 or 8—(a) Structural drawing; (b) Machine drawing. C 1 hour and D 6 hours for one half-year. Professor MAYER, Mr. MILLER and Mr. HARRINGTON

### English

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D.....*Professor*  
<sup>1</sup>FRANKLIN THOMAS BAKER, A.M. Litt.D.*Professor in Teachers College*  
 WILLIAM PETERFIELD TRENT, LL.D., D.C.L.....*Professor*  
 WILLIAM TENNEY BREWSTER, A.M.....*Professor*  
<sup>2</sup>GEORGE C. D. ODELL, Ph.D.....*Professor*  
<sup>2</sup>FREDERICK HENRY SYKES, Ph.D...*Professor of English in Extension Teaching*  
 ASHLEY HORACE THORNDIKE, Ph.D., Litt.D..*Professor, and Secretary of the Department*  
 WILLIAM WITHERLE LAWRENCE, Ph.D.....*Adjunct Professor*  
 GRACE A. HUBBARD, A.M.....*Adjunct Professor*  
 MABEL FOOTE WEEKS, A.B.....*Adjunct Professor*  
 JOHN ERSKINE, Ph.D.....*Adjunct Professor*

<sup>1</sup> Absent on leave 1st half-year.

<sup>2</sup> Absent on leave 2d half-year.

OTTO JESPERSEN, Ph.D. . . . .	<i>Visiting Professor in English Philology</i>
HARRY MORGAN AYRES, Ph.D. . . . .	<i>Instructor</i>
ALLAN FERGUSON WESTCOTT, A.M. . . . .	<i>Tutor</i>
BAYARD BOYESEN, A.B. . . . .	<i>Tutor</i>
JOHN WARREN TAYLOR, A.M. . . . .	<i>Tutor</i>
HARRISON ROSS STEEVES, A.M. . . . .	<i>Tutor</i>
VIRGINIA CROCHERON GILDERSLEEVE, Ph.D. . . . .	<i>Lecturer</i>
ALGERNON DE V. TASSIN, A.M. . . . .	<i>Lecturer</i>
CLYDE FURST, A.M. . . . .	<i>Lecturer in Extension Teaching</i>
AZUBAH JULIA LATHAM, A.B. . . . .	<i>Lecturer in Teachers College</i>
ALICE DOROTHY BREWSTER, A.M. . . . .	<i>Assistant</i>
WILLIAM HALLER, A.B. . . . .	<i>Assistant</i>
BLANCHE COLTON WILLIAMS, A.M. . . . .	<i>Assistant</i>
HUGH H. CALDWELL, A.B. . . . .	<i>Assistant</i>
ELIZABETH CHRISTINE COOK, A.M. . . . .	<i>Assistant</i>

### Courses

*For the significance of course numbers see page 52*

**A**—English literature and composition. 3 hours. Professor ERSKINE, Mr. STEEVES, Mr. WESTCOTT, Mr. TAYLOR, and Mr. BOYESEN (Columbia College); Professor BREWSTER, Professor HUBBARD, Professor WEEKS, Mr. TASSIN, Dr. GILDERSLEEVE, Miss BREWSTER, Mr. HALLER, and Miss COOK (Barnard College)

**B**—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Professor ODELL, Mr. STEEVES, Mr. WESTCOTT, Mr. TAYLOR, and Mr. BOYESEN (Columbia); Dr. GILDERSLEEVE, Miss BREWSTER, Mr. HALLER, and Miss COOK (Barnard)

**1-2**—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Mr. TASSIN (Columbia); Professor BREWSTER (Barnard)

**7-8**—Elocution—Lectures and exercises. 2 hours. Mr. TASSIN (Columbia); Mr. TASSIN (Barnard)

Course 7-8 is not given at Columbia in 1909-10.

**11-12**—Vocal training and public speaking. 3 hours. Mr. TASSIN (Columbia)

**[17-18]**—English prose masterpieces. 2 hours. Professor ERSKINE (Columbia)]

**19-20**—American literature. 2 hours. Professor BRANDER MATTHEWS and Mr. WESTCOTT (Columbia)

**[21-22]**—English literature from 1780-1830. 3 hours. Professor ODELL (Columbia)]

Courses 21-22 and 23-24 are given in alternate years.



23-24—English literature in the nineteenth century. 3 hours.  
Professor ODELL (Columbia); 2 hours. Professor HUBBARD (Barnard)

25-26—English literature from 1557 to 1660. 3 hours. Professor  
ODELL (Columbia); Professor TRENT (Barnard)

Course 25-26 is not given at Columbia in 1909-10.

Courses 25-26 and 27-28, are given in alternate years.

27-28—English literature from 1660 to 1789. 3 hours. Dr. AYRES  
(Columbia); Professor TRENT (Barnard)

29-30—English literature of the earlier periods. 3 hours. Dr.  
AYRES (Columbia); Dr. AYRES (Barnard)

Course 29-30 is not given at Columbia in 1909-10.

31-32—English literature from the Norman conquest to 1550. 3  
hours. Dr. GILDERSLEEVE (Barnard)

33-34—English literature in the nineteenth century after 1830. 3  
hours (Barnard). Professor HUBBARD

35-36—Shakspeare. 2 hours. Professor LAWRENCE (Columbia);  
3 hours. Dr. GILDERSLEEVE (Barnard)

[37-38—English prose, including fiction. 2 hours. Professor BREW-  
STER (Barnard)]

[39-40—The development of English fiction. 3 hours. Professor  
BRANDER MATTHEWS (Columbia)]

41-42—The development of the English drama. 2 hours (Columbia)  
Professor BRANDER MATTHEWS; 3 hours, Mr. TASSIN (Barnard)

[43-44—English drama from 1642. 2 hours. Mr. TASSIN (Barnard)]

Courses 41-42 and 43-44 are given at Barnard College in alternate years.

201—English composition. 2 hours. Professor ERSKINE

[207-208—English prose in the eighteenth century. 2 hours.  
Professor BREWSTER]

[209-210—English prose in the nineteenth century. 2 hours.  
Professor BREWSTER]

211—Phonetics. 2 hours. Professor JESPERSEN.

213-214—Historical English grammar. 2 hours. Professor JES-  
PERSEN

215—Anglo-Saxon prose. 2 hours. Dr. AYRES

[218—Beowulf. 2 hours. Professor LAWRENCE]

[219-220—Middle English language and literature. 2 hours. Dr.  
AYRES]

222—History of Anglo-Saxon literature. 2 hours. Dr. AYRES

[223-224—Medieval literature: romances. 2 hours. Professor LAW-  
RENCE]

Courses 223-224 and 225-226 given in alternate years.



225-226—Medieval literature: ballad and epic. 2 hours. Professor LAWRENCE

227-228—Chaucer. 2 hours. Professor LAWRENCE

[229-230—English literature in the sixteenth century. 2 hours. Professor FLETCHER]

[231-232—English literature in the seventeenth century. 2 hours. Professor TRENT]

233-234—English literature in the eighteenth century. 2 hours. Professor TRENT

235-236—The romantic movement. 2 hours. Professor THORNDIKE

[239-240—English literature in the Victorian period. 2 hours. Professor THORNDIKE]

241-242—Development of the drama. 2 hours. Professor BRANDER MATTHEWS

[243-244—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

245-246—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

247-248—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS

[249-250—Shakespeare as a playwright. 2 hours. Professor BRANDER MATTHEWS]

[251-252—The English drama from the beginnings to 1642. 2 hours. Professor THORNDIKE]

Courses 241-242 and 251-252 are given in alternate years.

254—Textual criticism of Shakespeare's plays. 2 hours. Professor THORNDIKE

301-302—Seminar—Studies in Shakespeare's contemporaries. 2 hours. Professor THORNDIKE

303-304—Seminar—English literature from 1740 to 1780. Professor TRENT

305—Seminar—Studies in English syntax. 2 hours. Professor JESPERSEN

306—Seminar—Cædmon and Cynewulf. 2 hours. Professor LAWRENCE

307-308—Seminar—Discussion of dissertations. Professors TRENT, THORNDIKE, LAWRENCE, and Dr. AYRES

### Undergraduate Courses in Teachers College

T. C. 52—Oral composition. 2 hours. Miss LATHAM

T. C. 53-54—English usage. 2 hours. Professor BAKER and Miss WILLIAMS

[T. C. 55-56—English writers of the nineteenth century. 3 hours. Professor BAKER]

T. C. 57-58—Oral reading. 2 hours. Miss LATHAM

T. C. 59-60—Typical forms of literature. 3 hours. Professor BAKER

## Fine Arts

(See Architecture, Music, and Design)

In addition sixteen courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department.

See also the Statement of the School of Fine Arts in this volume.

## French

(See Romance Languages and Literatures)

## Geography

RICHARD E. DODGE, A.M. .... Professor

CLARA B. KIRCHWEY ..... Instructor

### Courses

*See introductory paragraphs, page 52*

1-2—General geography. 3 hours. Professor DODGE and Miss KIRCHWEY

51-52—The geography of the United States and Western Europe. 2 hours. Professor DODGE and Miss KIRCHWEY

53-54—Continental geography for schools. 2 hours. Miss KIRCHWEY

55—Geography for primary grades. 2 hours. Miss KIRCHWEY

56—Man and his environment. 2 hours. Professor DODGE

58—Elements of industrial geography. 3 hours. Professor DODGE

See also Education 67, 167-168, 267-268

## Equipment

The Department of Geography occupies a suite of three rooms on the fourth floor of Teachers College. A lecture-room and laboratory capable of holding fifty, an office, and a combined office and stock-room compose the suite. The department is furnished with lantern, models, and wall maps; and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is

large, and has been especially chosen for use in the several courses announced above.

### Geology

JAMES FURMAN KEMP, E.M., Sc.D.....	Professor
AMADEUS WILLIAM GRABAU, S.D.....	Professor
WILLIAM CAMPBELL, Ph.D., D.Sc.....	Adjunct Professor of Metallurgy
CHARLES PETER BERKEY, Ph.D.....	Instructor
IDA HELEN OGILVIE, Ph.D.....	Tutor in Barnard College
CARLOTTE A. MAURY, Ph.D.....	Lecturer in Barnard College
ELVIRA WOOD, A.M.....	Curator
ALBERT CLARENCE BOYLE, Jr., B.S., M.E.....	Assistant
JESSE EARL HYDE, A.B.....	Assistant

### Courses

*See preliminary paragraphs, page 52*

1-2—General geology. *C* 2 hours. *L* 2 hours Sat. P.M. Professor GRABAU, Dr. BERKEY, and Mr. HYDE. (Field work instead of *L* Saturday P.M. until Thanksgiving)

4—Petrography. *C* 2 hours, *L* 1 afternoon for two months. Compare Mineralogy 6. Dr. BERKEY

6—General geology. 6 hours. Professor KEMP, Dr. BERKEY, and Mr. BOYLE

15—Elementary paleontology. *C* 1 hour, *L* 2 hours. Professor GRABAU and Mr. HYDE

16—Index fossils of North America. *C* 1 hour, *L* 6 or more hours. Prerequisite, Course 1-2, 6 or 18. Professor GRABAU and Mr. HYDE

18—General geology. *C* 3 hours lectures. Field work on Saturdays (last six weeks). Dr. BERKEY

19—Physiographic Geology—Topographic features and map interpretation. *C* 2 hours, *L* 1 hour. Dr. BERKEY

20—Rocks and Soils. Origin, structure, constituents, and variety of soils. *C* 2 hours, *L* 1 hour. Dr. BERKEY

51-52—Principles of geology. 2 hours. Professor GRABAU and Dr. BERKEY

105-106—Economic geology. 3 hours. Professor KEMP

107-108—Invertebrate paleontology. *C* 2 hours, *L* at least 4 hours. Professor GRABAU and Mr. HYDE

110—Geological examinations and surveys—Field methods and organization. 2 hours. Professor KEMP

112—Field geology—One week's field work, and report upon the same, immediately at the close of the spring examinations.

**113-114**—Prehistoric archæology. 20 lectures on geologic basis of archæology.

**151-152**—Principles of geology. *C* 2 hours, *L* 4 hours or more. (51-52 with additional laboratory and library work.) Professor GRABAU and Dr. BERKEY

**175**—Field geology in Paleozoic rocks of eastern North America. 4 weeks in the summer. Officers of the department.

**201-202**—Petrology. *C* 2 hours, *L* at least 4 hours. Professor KEMP and Dr. BERKEY

**205-206**—Comparative geology of North America—A comparative description and study of the geological formations of North America. 3 lectures and 4 hours reading and laboratory. Professors KEMP and GRABAU

**209-210**—Comparative geology of Europe. 2 lectures and 4 hours laboratory and library work. Professors GRABAU and CAMPBELL

**211**—Phylogeny of Gastropoda. *C* 1 hour, *L* 6 hours. Professor GRABAU

**212**—Phylogeny of Cephalopoda. *C* 1 hour, *L* 6 hours. Professor GRABAU

**213-214**—Fossil faunas of North America—*C* 1 hour, *L* 6 hours. Professor GRABAU and Mr. HYDE

**301-302**—Paleogeography of North America. Development and changes of former continents and ocean basins. 1 hour seminar, and laboratory according to arrangement. *C* 1 hour, *L* 6 hours to 2 days. Professor GRABAU

**303-304**—Journal Club and seminar conducted by officers of the department. 2 evenings a month.

**307-308**—Research in areal, structural, economic, or physiographic geology under officers of the department.

**311-312**—Phylogeny of a special group of Invertebrates. Research course. Professor GRABAU

**315-316**—Stratigraphy. Research course. *L* 6 hours or more. Professor GRABAU

**B 1-2**—General geology. Elementary course. *C* 2 hours, *L* 2 hours. 6 points. Dr. OGILVIE

**B 101-102**—General geology. Course 1-2 with *L* 4 hours additional. 8 points. Dr. OGILVIE and Dr. MAURY

**B 113**—Summer field course—Two weeks in the field, and subsequent preparation of a report. Dr. OGILVIE

**B 115-116**—Paleontology. *C* 1, *L* 2. Dr. OGILVIE and Dr. MAURY

B 117-118—Glacial geology and advanced physiography. C 1 hour. L to be arranged. Dr. OGILVIE

B 119-120—General geology, advanced course. C and L to be arranged; 4, 6 or 8 hours. Dr. OGILVIE

For the courses in geography see page 99.

The following courses in paleobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK:

General paleobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

### Equipment

The department has equipment laboratories and a full equipment for its several lines of work. For details see the separately printed *Announcement*.

The paleobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

## Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D.... *Villard Professor of Germanic Philology*

CALVIN THOMAS, LL.D.... *Gebhard Professor of the Germanic Languages and Literatures*

ELIJAH WILLIAM BAGSTER-COLLINS, A.M..... *Adjunct Professor in Teachers College*

WILLIAM ADDISON HERVEY, A.M..... *Adjunct Professor*

RUDOLF TOMBO, JR., Ph.D..... *Adjunct Professor*

ARTHUR F. J. REMY, Ph.D.... *Adjunct Professor of Germanic Philology*

WILHELM ALFRED BRAUN, Ph.D..... *Instructor in Barnard College*

FREDERICK WILLIAM JUSTUS HEUSER, A.M..... *Tutor*

ALEXANDER OTTO BECHERT, A.M..... *Tutor in Barnard College*

ALLEN WILSON PORTERFIELD, A.M..... *Tutor in Barnard College*

HENRY HERMANN LOUIS SCHULZE, A.M..... *Tutor*

ERNST D. RICHARD, Pd.D..... *Lecturer*

MRS. JULIANA HASKELL, Ph.D..... *Assistant in Barnard College*

*For the significance of course numbers see page 52*

### Courses in German

A1-A2—Elementary course. 3 hours. Mr. HEUSER and Mr. SCHULZE

B1-B2—Intermediate course. 3 hours. Professor REMY and Mr. SCHULZE



- 2—Supplementary course. 2 hours. Mr. HEUSER
- 3-4—Composition and colloquial practice. Elementary course. 2 hours. Mr. HEUSER and Mr. SCHULZE
- 5-6—Selected works of Goethe, Schiller, and Lessing. 3 hours Professor HERVEY and Mr. HEUSER
- 7—Historical prose. 3 hours. Professor TOMBO
- 8—Historical prose. 3 hours. Professor TOMBO
- 11-12—Composition and colloquial practice. Advanced course. 2 hours. Dr. BRAUN
- 13—Nineteenth century writers. Selected works of HEINRICH VON KLEIST. 2 hours. Mr. HEUSER
- 14—Nineteenth century writers. Selected dramas of GRILLPARZER 2 hours. Mr. HEUSER
- 17-18—Life and works of Goethe. 2 hours. Professor HERVEY
- 23-24—History of German civilization. 3 hours. Dr. RICHARD
- 51-52—German in secondary schools. 3 hours. Professor BAGSTER-COLLINS. Given in Teachers College
- 53-54—Educational German. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College
- 61 and 101—History of German literature from the earliest times to the Reformation. 3 hours. Professor THOMAS
- 62 and 102—History of German literature from the Reformation to the nineteenth century. 3 hours. Professor THOMAS
- 63 and 103—Goethe's *Faust*. Part first. 2 hours. Professor HERVEY
- 64 and 104—Goethe's *Faust*. Part second. 2 hours. Professor HERVEY
- 105—German literature in the nineteenth century. 2 hours. Professor THOMAS
- 106—Contemporary German drama. 2 hours. Professor TOMBO
- 107—History of the German language. 3 hours. Professor REMY
- 112—Middle High German. Linguistic course. 3 hours. Professor REMY
- 129-130—Outlines of the history of German civilization. 2 hours. Dr. RICHARD
- 141—Phonetics. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College
- 142—Modern German Syntax. 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College.
- Education 269-270—Practice Course. 3 hours; practical work, 2 hours. Professor BAGSTER-COLLINS. Given in Teachers College



201—Proseminar. Great German writers. Lessing. 2 hours.  
Professor THOMAS

202—Proseminar. Great German writers. Goethe. 2 hours.  
Professor THOMAS

211—Special Studies in Literature. 2 hours. Professor THOMAS

212—Special Studies in Literature. 2 hours. Professor THOMAS

#### Course in Scandinavian Languages

122—Icelandic. 3 hours. Professor W. H. CARPENTER

#### Course in Gothic

127-128—Gothic. 2 hours. Professor REMY

#### Course in Germanic Philology

205-206—Comparative philology of the Germanic dialects. 2 hours.  
Professor REMY

#### Germanic Seminar

301—Hans Sachs' tragedy *Der hürnen Seufrid*. 2 hours. Professor  
W. H. CARPENTER

302—Special problems connected with Goethe's *Faust*. 2 hours.  
Professor THOMAS

#### Public Lectures

Lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, are given each year under the auspices of the department.

#### Journal Club

The Journal Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent numbers of the numerous journals devoted to Germanic studies. The Club consists of the officers, fellows, and scholars of the department. Meetings are held monthly.

#### Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the culture of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by academic study alone. The active membership consists of instructors

in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Tuesday of each month in the room assigned to the Verein in West Hall.

### Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature all periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the lecture-room and offices of the department in University Hall.

The income of the Carl Schurz Library Fund (\$10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

For the Carl Schurz Fellowship in the German Language and Literature, see index.

### Greek

EDWARD DELAVAN PERRY, Ph.D., LL.D.....	<i>Jay Professor</i>
JAMES RIGNALL WHEELER, Ph.D.....	<i>Professor of Greek Archæology and Art</i>
GONZALEZ LODGE, Ph.D., L.L.D.....	<i>Professor of Latin and Greek in Teachers College</i>
<sup>1</sup> CLARENCE HOFFMAN YOUNG, Ph.D.....	<i>Professor</i>
CHARLES KNAPP, Ph.D.....	<i>Professor of Classical Philology</i>

<sup>1</sup> Absent on leave second half-year.

GERTRUDE MARY HIRST, Ph.D.....	<i>Instructor in Classical Philology in Barnard College</i>
THEODORE LESLIE SHEAR, Ph.D...	<i>Instructor in Classical Philology in Barnard College</i>
ROSCOE GUERNSEY, Ph.D.....	<i>Tutor</i>
EDGAR H. STURTEVANT, Ph.D.....	<i>Tutor in Classical Philology in Barnard College</i>
CHARLES JONES OGDEN, Ph.D.....	<i>Assistant in Classical Philology in Barnard College</i>

### Courses

*For the significance of course numbers see page 52*

- 1-2—Elementary course. 5 hours. Dr. GUERNSEY
- 3-4—First half-year: Homer, Herodotus. Second half-year: Herodotus, Plato. 3 hours. Professors YOUNG (first half-year) and WHEELER (second half-year)
- 5-6—First half-year: Euripides and Sophocles; required reading and lectures on the Greek drama. Second half-year: Demosthenes, with required reading as above. 3 hours. Professor PERRY
- 11-12—Prose composition. 1 hour. Dr. GUERNSEY
- 17-18—Prose composition. 1 hour. Dr. GUERNSEY
- 25-26—First half-year: Greek dramatists. Second half-year: Thucydides. 3 hours. Dr. GUERNSEY (first half-year) and Professor WHEELER (second half-year)
- 27-28—Advanced prose composition. One session weekly with written exercises, counting as a two-hour course. Dr. GUERNSEY. Open also to women graduate students.
- 29—New Testament Greek. Selected Epistles. 2 hours. Professor YOUNG
- 30—New Testament Greek. St. Matthew, Acts. 2 hours. Dr. GUERNSEY
- \* 101-102—Lectures on Greek Literature. Part I: Poetry. 2 hours. Professor WHEELER
- 105-106—Greek Philosophy. Readings. 4 hours. Professor PERRY
- 153-154—Introduction to Greek Archæology. Part II: Sculpture. 3 hours, first half-year only. Professor YOUNG
- 159-160—The Acropolis of Athens. 2 hours. Professor WHEELER
- 253-254—Greek Epigraphy. 2 hours. Professor PERRY

### Classical Proseminar

- 301-302—Lectures on the principles and methods of classical study

with Greek and Latin bibliography, and exercises. 2 hours. Professor KNAPP

### Classical Seminar

303-304—Greek section: Sophocles. One session weekly throughout the year, counting as a three-hour course. Professor WHEELER

### Courses in Barnard College

1-2—Beginners' course: Grammar, composition, Xenophon's *Anabasis*, Homer's *Iliad*. 5 hours. Dr. STURTEVANT

3-4—Homer and Euripides. Greek life and thought. 3 hours. Dr. SHEAR

5-6—Plato and Xenophon. Prose composition. 3 hours. Dr. HIRST and Dr. SHEAR

7-8—Sophocles and Aristophanes. 2 hours. Professor KNAPP

9-10—Greek literature. Lectures and required reading. 2-4 hours. Dr. SHEAR

11-12—Elementary prose composition. 1 hour. Dr. SHEAR

13-14—Advanced prose composition. 1 hour. Dr. HIRST

19-20—Greek life and thought. 1 hour. Dr. SHEAR

### Courses in Teachers College

Education 171-172—Theory and practice of teaching Greek in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

### Gynecology

EDWIN B. CRAGIN, M.D.....	Professor
PORTER F. CHAMBERS, M.D.....	Professor of Clinical Gynecology
FRANK R. OASTLER, M.D.....	Associate
FRANK S. MATHEWS, M.D.....	Associate
HOWARD C. TAYLOR, M.D.....	Instructor in Clinical Gynecology
CHARLES J. PROBEN, M.D.....	Instructor
GEORGE H. RYDER, M.D.....	Instructor
PERCY H. WILLIAMS, M.D.....	Instructor
RALPH W. LOBENSTINE, M.D.....	Instructor

### Clinical Assistants

WM. L. BRADLEY, M.D.

HAROLD D. MEEKER, M.D.

ROBERT M. BROWN, M.D.

AUGUSTINE W. ROFF, M.D.

### Courses

*See preliminary paragraphs, page 52*

52—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical. Professor CRAGIN

53—Recitations and demonstrations. 1 hour a week for each student. Dr. MATHEWS

55-56—Minor Operations and Demonstrations, to small sections, at the Roosevelt Hospital—2 a week for two weeks, M. and F. at 9.30 A.M. Dr. TAYLOR

57-58—Clinic in Operative Gynecology, to small sections at Lincoln Hospital. M. at 3.30 P.M. Dr. OASTLER

59-60—Practical Instruction in the Diagnosis and Treatment of pelvic conditions, to sections of the class—10-12 lessons for each student, at the Vanderbilt Clinic. Drs. OASTLER, PROBEN, RYDER, and WILLIAMS

61-62—Practical Instruction in the Diagnosis and Treatment of Venereal Diseases in Women, to sections of the class—4 lessons for each student at Bellevue Hospital. Dr. LOBENSTINE

63-64—Clinic in Operative Gynecology—Roosevelt Hospital, Mc-Lane Operating Theatre. S. at 2.30 P.M. Dr. TUTTLE

65-66—Clinic in Operative Gynecology—Woman's Hospital. Tu. at 2.30 P.M. Professor CHAMBERS

### History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D. *Seth Low Professor*

HERBERT LEVI OSGOOD, Ph.D., LL.D. .... *Professor*

WILLIAM ARCHIBALD DUNNING, Ph.D., LL.D. *Lieber Professor of History and Political Philosophy*

JAMES HARVEY ROBINSON, Ph.D. .... *Professor*

WILLIAM ROBERT SHEPHERD, Ph.D. .... *Professor*

JAMES THOMSON SHOTWELL, Ph.D. .... *Professor*

GEORGE WILLIS BOTSFORD, Ph.D. .... *Adjunct Professor*

MAUDE ALINE HUTTMANN, A.M. .... *Tutor*

CARLTON HUNTLEY HAYES, Ph.D. .... *Lecturer*

CARL FREDERICK L. HUTH, A.M. .... *Lecturer*

JULIET STUART POINTS, A.B. .... *Assistant*

### Courses

*See preliminary paragraphs, page 52*

A1-A2—Epochs of history. 3 hours. Columbia College, Professor SHEPHERD, Dr. HAYES, Mr. HUTH, and Mr. SAIT. Barnard College, Professor SHOTWELL and Miss HUTTMANN

[3-4—Greece and early Rome. 3 hours. Barnard College and Columbia College. Professor BOTSFORD]

5-6—The Roman empire. 3 hours. Barnard College, Mr. HUTH

<sup>1</sup> Absent on leave 1909-10.



9-10—Continental European history, modern and contemporaneous. 4 hours. Columbia College, Professor SHOTWELL and Dr. HAYES; Barnard College, Professor SHOTWELL and Miss POINTS

11-12—Survey of English history. 3 hours. Columbia College. Mr. SAIT

13-14—History of the United States to the close of Reconstruction. 3 hours. Columbia College, Professor DUNNING; Barnard College, Professor SHEPHERD

103—History of India and of Persia. 2 hours. Professor JACKSON

[104—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL]

109—The history of Western Asia and Egypt. 2 hours. Professor PRINCE

111-112—The language, literature, government, and social life of the Chinese. 1 hour. Professor HIRTH

113-114—History of China. 1 hour. Professor HIRTH

115-116—The period of transition in Roman history from the republic to the empire. 2 hours. Mr. HUTH

[117-118—The middle period of the Roman empire, from Hadrian to Constantine. 2 hours. Professor BOTSFORD]

121-122—The intellectual history of Western Europe from the Greek Sophists to the French *Philosophers*. 3 hours. Columbia College, Professor ROBINSON, Barnard College, Professor ROBINSON and Miss HUTTMANN

[125-126—Constitutional history of England to 1660. 2 hours. Professor OSGOOD]

151—European history, 1815-1848. 4 hours. Professor SLOANE

[153—Contemporary European history since 1848. 4 hours. Professor SLOANE]

[157-158—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD]

161-162—Formation and development of the American constitutional system. 2 hours. Columbia College, Professor BEARD

163—Fiscal and industrial history of the United States. 2 hours. Professor SELIGMAN

164—History of American diplomacy. 2 hours. Professor SCOTT

211-212—Roman civilization. 2 hours. Professor OLCOTT

213—Historical types of society; ancient; the theory of progress. 2 hours. Professor GIDDINGS

213-214—The period of transition in Roman history from the republic to the empire. 2 hours. Mr. HUTH



[215-216—History of Greece, political, social, and intellectual. 2 hours. Professor BOTSFORD]

217—Social evolution: ethnic and civil origins. 2 hours. Professor GIDDINGS

220—Primitive institutions in Europe. 2 hours. Professor SHOTWELL

221—Later Roman empire and early Middle Ages. 2 hours. Professor SHOTWELL

223—Paganism and Christianity. 2 hours. Professor SHOTWELL

[225—The later Middle Ages. 2 hours. Professor SHOTWELL]

226—The Protestant Revolt. 2 hours. Professor ROBINSON

[227—Europe in the twelfth and thirteenth centuries. 2 hours. Professor SHOTWELL]

228—The Catholic Reformation and the Council of Trent. 2 hours. Professor ROBINSON

229-230—General church history.<sup>1</sup> Professors MCGIFFERT and ROCKWELL

233-234—History of Christian Doctrine.<sup>1</sup> Professor MCGIFFERT

235-236—History of Protestant thought.<sup>1</sup> Professor MCGIFFERT

237—English church history.<sup>1</sup> Professor MCGIFFERT

238—History of early Christian literature.<sup>1</sup> Professor MCGIFFERT

241-242—Religious thought in the eighteenth century.<sup>1</sup> Professor MCGIFFERT

243—History of the Church during the first three centuries.<sup>2</sup> Professor SCRATCHLEY

244—Latin Fathers.<sup>2</sup> Mr. STEWART

246—The Church from the Council of Nicaea to Charlemagne.<sup>2</sup> Professor SCRATCHLEY

248—The Church of England in the Middle Ages.<sup>2</sup> Mr. STEWART

249—The Church of England.<sup>2</sup> Professor SCRATCHLEY

250—The Church from Charlemagne to Modern Times, exclusive of England.<sup>2</sup> Professor SCRATCHLEY

[251—History of Spain. 2 hours. Professor SHEPHERD]

[252—The reforms of the French revolution. 4 hours. Professor ROBINSON]

[253—The economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH]

<sup>1</sup> Given at the Union Theological Seminary.

<sup>2</sup> Given at the General Theological Seminary.

[254—The progress of the French revolution 1789-1800. 2 hours. Professor ROBINSON]

255—History of diplomacy. 2 hours. Professor SCOTT

[256—Social evolution: civilization, liberty, and democracy. 2 hours. Professor GIDDINGS]

[261-262—American colonial history during the seventeenth century. 2 hours. Professor OSGOOD]

[263-264—American colonial history during the eighteenth century. 2 hours. Professor OSGOOD]

267-268—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING

271-272—Spanish and French colonization in the United States. 2 hours. Professor SHEPHERD

[273—The South and West. 2 hours. Professor SHEPHERD]

[274—The West since 1840. 2 hours. Professor SHEPHERD]

275—Colonial Latin America. 2 hours. Professor SHEPHERD

276—The Latin American Republics. 2 hours. Professor SHEPHERD

279-280—General history of political theories. 2 hours. Professor DUNNING

[281-282—American political philosophy. 2 hours. Professor DUNNING]

311-312—Seminar in Greek and Roman history. 1 hour. Mr. HUTH

321—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON, SHOTWELL, and SIMKHOVITCH

331-332—Seminar in church history.<sup>1</sup> Professors MCGIFFERT and ROCKWELL

357—The work of Napoleon. 2 hours. Professor SLOANE

[361-362—The American Revolution. 2 hours. Professor OSGOOD]

[363-364—Seminar in American colonial history. 1 hour. Professor OSGOOD]

365—European politics and the war of 1812. 2 hours. Professor SLOANE

367-368—Seminar in later United States history. 1 hour. Professor DUNNING

381-382—Seminar in political philosophy. 1 hour. Professor DUNNING

<sup>1</sup> Given at Union Theological Seminary.

### Equipment

The University Library contains many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 150,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

### Hospital Economy

Various courses in this and related fields are provided by the School of Household Arts of Teachers College and described in the special circular of that School.

### Household Arts

The School of Household Arts of Teachers College provides more than fifty courses in Household Arts Education, Nutrition, Household Chemistry, Physiological Chemistry, Foods and Cookery, Textiles and Needlework, Household Art, Household Administration, Hospital Economy, Physiology, Bacteriology, and Hygiene, and in House Structure and Sanitation. These courses and the new building and equipment of the school are described in its special circular and in the *Announcement of Teachers College*.

### Latin

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D.....	<i>Anthon Professor</i>
JAMES C. EGBERT, Ph.D.....	<i>Professor</i>
NELSON G. MCCREA, Ph.D.....	<i>Professor</i>
GONZALEZ LODGE, Ph.D., LL.D.....	<i>Professor of Latin and Greek in Teachers College</i>
CHARLES KNAPP, Ph.D.....	<i>Professor of Classical Philology in Barnard College</i>
GEORGE N. OLCOTT, Ph.D.....	<i>Adjunct Professor</i>
GERTRUDE MARY HIRST, Ph.D.....	<i>Instructor in Classical Philology in Barnard College</i>

<sup>1</sup>Absent on leave first half-year.

THEODORE LESLIE SHEAR, Ph.D.....	<i>Instructor in Classical Philology in Barnard College</i>
EDGAR HOWARD STURTEVANT, Ph.D.....	<i>Tutor in Classical Philology in Barnard College</i>
CHARLES J. OGDEN, Ph.D.....	<i>Assistant in Classical Philology in Barnard College</i>
THEODORA ETHEL WYE.....	<i>Assistant in Teachers College</i>

## Courses

*See preliminary paragraphs, page 52*

A 1-A 2—First half-year: Livy, xxi-xxii. Second half-year: *Odes* and *Epodes* of Horace. 3 hours. Professors PECK, EGBERT, McCREA, and OLCOTT

1-2—Tacitus: *The Annals* (Books i-iii). Horace: 3 hours. *Satires*. Professor OLCOTT

[3-4—First half-year: Cicero's *Letters*. Second half-year: Pliny's *Letters*. 2 hours. Professor McCREA]

6—Juvenal. 2 hours. Professor PECK

[7-8—Terence, *Andria* and *Adelphoë*. Plautus, *Amphitruo* and *Captivi*. 2 hours. Professor McCREA]

[9-10—Terence, *Andria* and *Heautontimorumenos*. 2 hours. Professor PECK]

11-12—Prose composition. 1 hour. Professor EGBERT

15-16—Prose Composition. 1 hour. Professor EGBERT

[17-18—Prose composition. 1 hour. Professor McCREA]

19-20—Latin literature. 5 hours. Professor McCREA

51-52—Latin readings. 3 hours. Professor LODGE

[103-104—Rapid reading of Horace and Ovid. 2 hours. Professor PECK]

[105-106—Lectures on the history of Greek and Roman prose fiction. 2 hours. Professor PECK]

107—Roman history. Tacitus, *Annals* xi-xvi. 3 hours. Professor EGBERT

108—Roman history. Suetonius. 3 hours. Professor PECK

[109-110—Roman historiography. 2 hours. Professor EGBERT]

[111-112—Lucretius (i-iii and v). 3 hours. Professor McCREA]

[113-114—Selections from Apuleius (the *Asinus Aureus*). 2 hours. Professor PECK]

[115-116—Roman oratory: Cicero's *Verrine Orations*. 2 hours. Professor McCREA]

[117-118—Roman oratory. Cicero, *De Oratore*, *Pro Milone*, *Philippica ii.*, *Pro Cluentio*. 3 hours. Professor McCREA]

119-120—Latin prose composition (advanced course). 1 hour, to count as 2 hours. Professor McCREA

[121-122—The *Cena Trimalchionis* of Petronius. 2 hours. Professor PECK]

[123-124—The history of classical philology. Lectures. 2 hours. Professor PECK]

[125-126—Roman tragedy. The Fragments and Seneca. 3 hours. Professor KNAPP]

[127-128—Plautus, *Mostellaria*. Seneca, *Medea*. 3 hours. Professor PECK]

[129-130—Readings from Seneca and other Latin of his period. 2 hours. Professor PECK]

151-152—Roman epigraphy (introductory course). 2 hours. Professor EGBERT

155-156—Private life of the Romans. Lectures and readings. 2 hours. Professor OLCOTT

[175-176—The topography and monuments of ancient Rome. The kingly and republican periods to B.C. 31. 2 hours. Professor OLCOTT]

176 T, Latin Conversation, 4 hours. Professor LODGE

[177-178—The topography and environment of ancient Rome. The Empire. 2 hours. Professor OLCOTT]

[201-202—The history of Latin syntax. 2 hours. Professor LODGE]

[205-206—Roman lyric and elegiac poetry. 2 hours. Professor McCREA]

[207-208—Latin manuscripts. 1 hour. Professor EGBERT]

[209-210—Roman satire in its historical development. 3 hours. Professor EGBERT]

[215-216—Roman epic poetry. 3 hours. Professor KNAPP]

[217-218—Roman philosophy. Lectures, with a careful reading of Cicero's *De Officiis* and *Tusculanæ*. 3 hours. Professor PECK]

221—Latin literature. Period of the Republic. 2 hours. Professor McCREA

222—Latin literature. Period of the Empire. 2 hours. Professor PECK

[223-224—The Italic dialects—Umbrian, Osco-Sabellian, Faliscan. 1 hour. Professor OLCOTT]

[227-228—Latin versification. Theory and practice. 1 hour. Professor PECK]



- 229—Roman civilization. Part I. 2 hours. Professor OLCOTT  
 230—Roman civilization. Part II. 2 hours. Professor OLCOTT  
 257-258—Roman epigraphy (advanced course). 2 hours. Professor OLCOTT  
 261-262—Introduction to the study of Roman numismatics. 1 hour. Professor OLCOTT  
 [269—Roman archæology. Lectures. 2 hours, first half-year. Professor EGBERT]  
 [270-271—The historical development of the Latin language. 2 hours. Professor PECK]

### Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professor KNAPP

### Classical Seminar

Latin section: Juvenal. 2 hours weekly. Professor EGBERT

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy and is strongly recommended to those for the Master's degree whose major subject lies in this department.

### Courses in Barnard College

A1—Vergil, *Eclogues*. Ovid, selections. Lectures and readings in Roman life and thought. 3 hours. Professor KNAPP and Dr. SHEAR

A2—Horace, *Odes* (selections); Roman Life and Thought (lectures and readings). 3 hours. Professor KNAPP and Dr. SHEAR

B1-B2—First half-year: Cicero, *De Senectute* and *De Amicitia*; prose composition. Second half-year: Livy, xxi-xxii (selections); prose composition. 3 hours. Professor KNAPP and Dr. STURTEVANT

1-2—First half-year: Catullus and Tibullus. Dr. HIRST. Second half-year; Juvenal. 2 hours. Dr. STURTEVANT

3-4—First half-year: Pliny, *Epistles* (selections). Second half-year: Tacitus, *Dialogus* and the *Agricola*. 3 hours. Dr. STURTEVANT and Dr. HIRST

5—Cicero, *Tusculan Disputations*. 3 hours. Dr. HIRST

[7-8—First half-year: Terence, *Andria* and *Adelphoe*. Second half-year: Plautus, *Captivi* and *Mostellaria*. 2 hours. Professor KNAPP]

9-10—Latin literature (lectures and required reading). Two, three, or four sessions weekly, counting as three, four or five hours. Professor KNAPP

13-14—Elementary prose composition. 1 hour. Professor KNAPP

15-16—Intermediate prose composition. 1 hour. Dr. HIRST

17-18—Advanced prose composition. 1 hour. Dr. HIRST

19-20—Roman life and thought. 1 hour. Professor KNAPP





- [209—Negotiable paper. 3 hours. Professor BURDICK]  
 [211—Insurance. 2 hours. Mr. DORR]  
 213-214—Pleading II. 2 hours. Professor REDFIELD  
 215-216—Property II. 2 hours. Professor KIRCHWEY  
 218—Quasi contracts. 3 hours. Professor (———)  
 219—Sales. 3 hours. Professor BURDICK  
 221-222—Corporations. 2 hours. Professor CANFIELD  
 223—Equity III. 3 hours. Professor ABBOTT  
 225-226—Evidence. 2 hours. Professor KIRCHWEY  
 228—New York trusts. 2 hours. Professor CANFIELD  
 229—Partnership. 3 hours. Professor BURDICK  
 230—Mortgages. 3 hours. Professor KIRCHWEY  
 231—Pleading III. 3 hours. Professor REDFIELD  
 [232—Suretyship. 2 hours. Professor (———)]  
 233-234—Property III. 2 hours. Professor ABBOTT  
 236—Wills. 3 hours. Professor REDFIELD

### Public Law and Comparative Jurisprudence

- <sup>1</sup> JOHN WILLIAM BURGESS, Ph.D., LL.D.....*Ruggles Professor*  
 MUNROE SMITH, J.U.D., J.D., LL.D.....*Professor*  
 FRANK JOHNSON GOODNOW, LL.D.....*Eaton Professor*  
<sup>1</sup> JOHN BASSETT MOORE, LL.D.....*Hamilton Fish Professor*  
 CHARLES AUSTIN BEARD, Ph.D.....*Adjunct Professor*  
 GEORGE WINFIELD SCOTT, Ph.D.....*Professor*  
 WILLIAM D. GUTHRIE, A.M.....*Professor*  
 EDWARD MCCHESENEY SAIT, A.M.....*Lecturer*

The courses in this department are not open to women. [For the significance of course numbers see page 52.

### I. Courses in Public Law

#### *A—Courses in Politics and Constitutional Law*

- 1-2—Elementary course. 3 hours. Professor BEARD and Mr. SAIT  
 101—Formation of the American constitutional system. 2 hours. Professor BEARD. (Identical with History 161.)  
 102—Development of the American constitutional system. 2 hours. Professor BEARD. (Identical with History 162.)  
 103-104—Comparative politics and government. 2 hours. Professor BEARD  
 105—Party government in the United States. 2 hours. Professor BEARD

<sup>1</sup> Absent on leave, 1909-10.

- 106—American state government. 2 hours. Professor BEARD  
 203-204—Constitutional law of the United States. 2 hours. Professor GOODNOW  
 206—The judicial power under the Constitution of the United States, 1 hour. Professor GUTHRIE  
 301-302—Seminar in constitutional and administrative law. 1 hour. Professors GOODNOW and BEARD

*B—Courses in Administrative Law*

- 143—Municipal science and administration. 2 hours. Professor GOODNOW  
 144—History and principles of colonial administration. 2 hours. Professor GOODNOW.  
 [146—Municipal functions. Professor BEARD]  
 241—Law of officers (extraordinary legal remedies). 2 hours. Professor GOODNOW  
 [246—Law of municipal corporations. 2 hours. Professor GOODNOW]  
 248—Law of taxation. 2 hours. Professor GOODNOW  
 341-342—Public law—Seminar in constitutional and administrative law. 1 hour. Professors GOODNOW and BEARD

*C—Courses in International Law*

- 221—History of diplomacy. 2 hours. Professor SCOTT. (Identical with History 255.)  
 120—History of American diplomacy. 2 hours. Professor SCOTT. (Identical with History 164.)  
 223-224—International law. 2 hours. Professor SCOTT  
 321-322—Seminar in international law. 2 hours. Professor SCOTT

**II. Courses in Comparative Jurisprudence**

- 161—Elements of law. 3 hours. Professor MUNROE SMITH  
 263—Roman law. 3 hours. Professor MUNROE SMITH  
 266—History of European law. 3 hours. Professor MUNROE SMITH  
 268—Modern civil law of western Europe. 3 hours. Professor MUNROE SMITH  
 269-270—Conflict of laws. 1 hour. Professor MUNROE SMITH  
 361-362—Seminar in legal history and comparative legislation. 1 hour. Professor MUNROE SMITH  
 363-364—Advanced seminar in comparative jurisprudence. Professor MUNROE SMITH

### Public Lectures

Public lectures of special interest to students of politics and jurisprudence are maintained by specific endowments, such as the Beer lectures in political science, the Blumenthal lectures in politics and the Carpentier lectures in law. Some of these lectures are given by distinguished foreigners, others by men prominent in public life in the United States (see page 46).

### Library Facilities

In addition to excellent working collections of constitutions, codes, session laws, judicial decisions, government reports, legal treatises, transactions of legal societies, and law journals of the principal foreign countries as well as of the United States, the library of Columbia University offers special advantage, to students of politics, public law, and comparative jurisprudence in the collections of Henry Livingston Thomas, late chief translator to the Department of State, of the Holland Society of New York, and of the Reform Club of the City of New York, of which the Columbia Library is the depository. The materials thus furnished are richly supplemented by those in the libraries of public institutions, learned societies, and civic organizations, particularly the Hispanic Society of America, with its unique collection of materials relating to the history, institutions, and culture of Spain, Portugal, and Latin America, the Bar Association, and the Law Institute. To these libraries advanced students have access under favorable conditions.

### Manual Training

Twenty courses in Manual Training are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College*, which will be sent without charge, upon application to the Secretary of the University.

(See also Shop Work, page 163)

### Materia Medica

(See page 143.)

### Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....	Professor
THOMAS SCOTT FISKE, Ph.D.....	Professor
FRANK NELSON COLE, Ph.D.....	Professor
JAMES MACLAY, Ph.D.....	Professor
DAVID EUGENE SMITH, Ph.D.....	Professor

CASSIUS JACKSON KEYSER, Ph.D.....	<i>Adrain Professor</i>
HENRY BEDINGER MITCHELL, E.E., A.M.....	<i>Professor</i>
EDWARD KASNER, Ph.D.....	<i>Adjunct Professor</i>
CARL RUNGE, Ph.D.....	<i>Kaiser Wilhelm Professor</i>
CHARLES C. GROVE, Ph.D....	<i>Instructor</i>
CLIFFORD BREWSTER UPTON, A.B.....	<i>Instructor in Teachers College</i>
ARTHUR RAY MAXSON, A.M.....	<i>Tutor</i>
LEWIS PARKER SICELOFF, A.M.....	<i>Tutor</i>
WILLIAM C. KRATHWOHL, A.B.....	<i>Tutor</i>
HARRY WILFRED REDDICK, A.M.....	<i>Tutor</i>
BERTHA L. BROOMELL, B.S.....	<i>Tutor in Teachers College</i>
JOSEPH S. CORBETT, A.B.....	<i>Assistant</i>
JAMES E. GRAY, A.B.....	<i>Assistant</i>

### Courses

*For the significance of course numbers, see page 52*

A<sup>1</sup>—Geometry. 2 hours, first half-year. Professor H. B. MITCHELL, Mr. MAXSON, Mr. SICELOFF, Dr. GROVE, and Mr. REDDICK

A<sup>2</sup>—Algebra. 2 hours, second half-year. Professor H. B. MITCHELL, Mr. MAXSON, Mr. SICELOFF, Dr. GROVE, and Mr. REDDICK

A<sup>3</sup>—Trigonometry. 2 hours, first half-year. Professor H. B. MITCHELL, Mr. MAXSON, Mr. SICELOFF, Dr. GROVE, and Mr. REDDICK

2—Trigonometry—Spherical trigonometry with applications. 2 hours. Mr. MAXSON, Mr. SICELOFF, Dr. GROVE, and Mr. REDDICK

3-4—Analytical geometry. 3 hours. Professor H. B. MITCHELL, Mr. MAXSON, Mr. SICELOFF, Dr. GROVE, and Mr. REDDICK

5-6—Differential and integral calculus. 3 hours, first half-year. Professor VAN AMRINGE

[7—Projective geometry. 3 hours]

9—Solid analytical geometry. 3 hours. Mr. MAXSON

11—Higher algebra. 3 hours. Mr. SICELOFF

12—Mathematics of statistics. 3 hours. Dr. GROVE

65—Differential and integral calculus. 5 hours, first half-year. Professors VAN AMRINGE, FISKE, MACLAY, and KEYSER, and Dr. GROVE

[105—Theory of numbers. 3 hours]

111-112—Modern higher algebra. 3 hours. Professor MACLAY

151-152—History of mathematics. 2 hours. Professor SMITH

201-202—Advanced calculus—Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE

<sup>1</sup> Absent on leave second half-year.



203-204—Theory of functions of a complex variable. 3 hours  
Professor FISKE

[205-206—Introduction to the theory of functions. 3 hours. Pro-  
fessor COLE]

207-208—Theory of groups. 3 hours. Professor COLE

[209-210—Functions defined by linear differential equations. 3  
hours. Professor FISKE]

211-212—The general theory of assemblages. 3 hours. Professor  
KEYSER

213-214—Theory of invariants. 3 hours. Professor COLE

[216—Advanced theory of numbers. 3 hours]

[217-218—The application of the calculus to the theory of surfaces.  
3 hours. Professor MACLAY]

[221-222—Theory of plane curves. 3 hours. Professor COLE]

[223-224—The principles of mathematics. 3 hours. Professor  
KEYSER]

227-228—Elliptic functions. 3 hours. Professor MACLAY

[229-230—The application of the calculus to the theory of surfaces  
and curves in space. 3 hours. Professor MACLAY]

231-232—Modern theories in geometry. 3 hours. Professor  
KEYSER

233-234—Geometry of dynamical systems. 2 hours. Professor  
KASNER

249—Graphical methods with applications to physics and applied  
mathematics. 2 hours of lectures and 2 hours of practical exercises.  
Professor RUNGE

[235-236—Contact transformations and applications. 2 hours.  
Professor KASNER]

#### Courses in Barnard College

A<sup>1</sup>-A<sup>2</sup>—Geometry, algebra, and trigonometry. 3 hours. Pro-  
fessor KASNER and Mr. KRATHWOHL

21—Analytical geometry. 3 hours. Professor KASNER

22—Elements of the calculus. 3 hours. Professor KASNER

23-24—Theory of equations. 3 hours. Mr. KRATHWOHL

25-26—Calculus. 3 hours. Professor COLE

27-28—Projective geometry. 3 hours. Mr. KRATHWOHL

[31-32—Advanced analytical geometry. 3 hours. Mr. KRATH-  
WOHL]

[33-34—The fundamental concepts of modern mathematics. 3  
hours. Professor KASNER]

35-36—General introduction to higher mathematics. 3 hours.  
Professor KASNER

### Equipment

In connection with the Department of Mathematics and in addition to the regular library facilities there is a large and fully equipped reading-room, 501 Fayerweather, in which are available the current numbers of over one hundred and fifty mathematical journals and periodicals, including nearly every mathematical journal of standing published.

The laboratory equipment of the department has been greatly increased and is among the best in the country. The recent acquisitions of mathematical models and instruments include the famous collections of Wiener and Schilling. By means of models and charts are illustrated the theory of elementary solid geometry, plane and solid analytic geometry, descriptive and projective geometry, higher plane and twisted curves and higher surfaces and their singularities, together with many of the more intricate concepts and forms in the general theory of functions, elliptic functions, infinite series and products, and analysis situs. Room 503 Fayerweather has been set apart as a mathematical laboratory and model room.

Teachers College is well supplied with models and apparatus for use in teaching mathematics in all grades, from the kindergarten through the high school, together with various instruments for mechanical computation. For work in the history of mathematics a large collection of stereopticon slides has been prepared, illustrating many of the most interesting manuscripts and early books on mathematical subjects.

### Mechanical Engineering

CHARLES E. LUCKE, M.S., Ph.D.....	<i>Professor</i>
WALTER RAUTENSTRAUCH, M.S.....	<i>Professor</i>
CHARLES B. GOING, Ph.B.....	<i>Associate</i>
HARRY L. PARR, A.B., Mech.E.....	<i>Instructor</i>
THOMAS MCC. GUNN, A.M.....	<i>Instructor</i>
CHARLES W. THOMAS, Mech.E.....	<i>Tutor</i>
EDWARD D. THURSTON, Jr., A.B., Mech.E.....	<i>Tutor</i>
CHARLES DAY, B.S., E.E.....	<i>Lecturer</i>

### Non-Resident Lecturers

LOUIS DOELLING.....	<i>Steam Jet Blowers, Pumps and Educator Condensers</i>
FRED. J. MILLER.....	<i>Manufacturing Processes</i>
FREDERICK W. O'NEIL, M.E.....	<i>Air Machinery</i>
FREDERICK OPHULS, M.E.....	<i>Refrigerating and Ice-Making Machinery</i>
WILLIAM P. WHITE, B.E.....	<i>Water Power Machinery</i>
JOHN G. CALLAN, B.S.....	<i>Steam Turbines</i>

LOUIS C. LOEWENSTEIN, E.E., Ph.D.	Steam Turbines
HUGH AIKMAN	Principles of Machine Manufacture
DUDLEY B. BULLARD	Principles of Machine Manufacture
C. E. COOLIDGE	Principles of Machine Manufacture
G. N. JEPSON	Principles of Machine Manufacture
C. H. NORTON	Principles of Machine Manufacture
H. F. STIMPSON	Manufacturing Plant Design
C. W. STONE	Steam Turbines
CHARLES A. HAGUE	Pumping Machinery
J. WARING PARKS, A.B., LL.B.	Business Law

### Courses

*See also preliminary paragraphs, page 52*

11-12—Steam power machinery. 3 hours, and 1 afternoon second half-year. Professor LUCKE and Mr. GUNN

13-14—Steam power machinery shorter course. 3 hours. Professor LUCKE and Mr. GUNN

17-18—Technical thermodynamics. 2 hours. Professor LUCKE and Mr. GUNN

19-20—Steam-engine design. 6 hours and 4 afternoons. Professor RAUTENSTRAUCH and Mr. THOMAS

22—Gas power machinery. 4 hours and 1 afternoon. Professor LUCKE, Mr. GUNN, and Mr. PARR

25—Steam power plant design. 3 hours and 2 afternoons. Professor LUCKE and Mr. GUNN

31-32—Experimental engineering. 1 hour and 1 afternoon. Mr. THURSTON

33—Experimental engineering—Continuation of Course 31-32. 2 hours lecture and 1 afternoon. Mr. PARR and Mr. THURSTON

36—Kinematics of machinery. 2 afternoons. Mr. THOMAS

39-40—Machine design. 1 hour and 2 afternoons, first half-year, 2 hours and 2 afternoons second half-year. Professor RAUTENSTRAUCH and Mr. THOMAS

41—Machine design. Short course for students in Civil and Electrical Engineering. 1 hour and 1 afternoon. Mr. THOMAS

46—Water power machinery. 3 hours. Mr. WHITE and Mr. PARR

52—Works management. 2 hours. Professor RAUTENSTRAUCH, Mr. GOING, and others

53—Steam turbines. 2 hours. Mr. PARR, Mr. CALLAN and others.

54—Principles of machine manufacture. 2 hours. Professor RAUTENSTRAUCH, Mr. MILLER, and others

56—Water power installation. 1 hour. Mr. PARR

- 59—Empiric design. 2 hours and 1 afternoon. Mr. THOMAS
- 60—Hydraulic laboratory. 1 afternoon. Mr. PARR and Mr. THURSTON
- 61—Seminar. 1 hour. Professor LUCKE
- 62—Refrigerating machinery. 1 hour. Mr. OPHULS
- 63—Hydraulic laboratory. Same as 60. 1 afternoon. Mr. PARR and Mr. THURSTON
- 64—Air machinery. 2 hours. Mr. THOMAS, Mr. O'NEIL, and others
- 66—Elevating and conveying machines. 1 hour. Mr. MOSS
- 68—Factory design. 2 hours and 1 afternoon. Professor RAUTEN-  
STRAUCH, Mr. DAY, and others
- 70—Pumping machinery. 2 hours. Mr. THURSTON, Mr. HAGUE,  
and others
- 72—Gas power machinery—Selections from 22. 2 hours and 1  
afternoon. Professor LUCKE and Mr. GUNN
- 74—Gas power machinery—Selections from 22. 2 hours. Pro-  
fessor LUCKE and Mr. GUNN
- 76-77—Experimental engineering—Selections from 31-32, 33. Mr.  
PARR and Mr. THURSTON
- 78—Kinematics—Selections from 36. 1 afternoon. Mr. THOMAS
- 81-82—Heating and ventilation. 2 hours. Professor LUCKE
- 94s—Factory Summer Work—Memoir on second summer work.  
Professor RAUTENSTRAUCH
- 96s—Power plant Summer Work—Memoir on third summer work.  
Professor LUCKE and Mr. GUNN
- 201-202—Advanced experimental investigations. Professor LUCKE
- 203-204—Mechanics of the steam turbine. Professor LUCKE
- 205-206—Vibration in machines. Professor LUCKE
- 207-208—Advanced machine design. Professor RAUTENSTRAUCH

### Equipment

This department is well equipped with offices for the usual work and rooms for student conferences; lecture-rooms of various sizes; valuable collections of models and specimens to illustrate the lectures; and drafting-rooms provided with large numbers of blue-prints, photographs, and catalogues of standard and special machinery supplied by manufacturers, but the departmental equipment is chiefly remarkable in the excellent facilities available for the prosecution of experimental work, both for undergraduate students and graduate research. This experimental equipment includes all the standard and many special forms of measuring instruments, means for their calibration, and an

unusually large collection of full-size standard machinery, covering practically every important class. This equipment is valued at approximately \$80,000.00, and the experimental laboratories, in which it is maintained, cover a floor space of approximately 10,000 sq. ft. Further details of this equipment are given in the departmental announcement.

### Metallurgy

ARTHUR L. WALKER, E.M.....	<i>Professor</i>
HENRY M. HOWE, LL.D.....	<i>Professor</i>
WILLIAM CAMPBELL, Ph.D., D.Sc.....	<i>Adjunct Professor</i>
EDWARD F. KERN, Ph.D.....	<i>Instructor</i>
RALPH H. SHERRY, A.M.....	<i>Assistant</i>

101—Introduction to metallurgy. 3 hours lectures, first half first term. Dr. KERN.

111—Metallurgy of copper. 3 hours. Dr. KERN

118—Metallurgy of copper—Advanced course. 1 hour conference. Dr. KERN

122—Metallurgy of lead, silver, gold, zinc, and minor metals. 3 hours lectures. Professor WALKER

128—Metallurgy of lead, etc.—Advanced course. 1 hour conference. Professor WALKER

131—Metallurgy of iron and steel—Shorter course. 2 hours lectures for nine weeks. Professor CAMPBELL

134—Metallurgy of iron and steel—Longer course. 2 hours lectures Professors HOWE and CAMPBELL

138—Metallurgy of iron and steel—Advanced course. 1 hour conference. Professor CAMPBELL

141—Electrometallurgy. 2 hours lectures for six weeks. Dr. KERN

148—Electrometallurgy—Advanced course. 1 hour conference for six weeks. Professor WALKER and Dr. KERN

151—Constitution and properties of alloys. 2 hours lectures. Professor CAMPBELL

155-156—Metallography of iron, steel, and industrial alloys. Total of 3 lectures and 3 or more afternoons laboratory. Professor CAMPBELL

62s—Summer course in non-ferrous metallurgy. Dr. KERN

64s—Summer course in iron and steel. Professor CAMPBELL

72—Metallurgical laboratory. 10 consecutive afternoons. Professor CAMPBELL, and Dr. KERN



171—Metallurgical laboratory. 2 afternoons. Professor CAMPBELL and Dr. KERN

175—Art of metallurgical investigation. 10 afternoons conference. Professors WALKER and CAMPBELL

201-202—Special courses in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc., consisting of personal instruction and original experimental investigation. Professors WALKER and CAMPBELL and Dr. KERN

METALLURGICAL EXCURSIONS—During the term the students see, at the metallurgical works near the city, iron blast furnaces, Bessemer and open-hearth steel making, lead and copper smelting, copper Bessemerizing and refining by furnace and electrolytic methods, the desilverizing of base bullion, and the parting and refining of gold and silver by electrolytic and acid methods.

### Equipment

LECTURE DIAGRAMS—There are very many large lecture diagrams showing the various metallurgical appliances, and the sequence of metallurgical processes, besides many models, drawings, and apparatus for lecture demonstrations—for instance, in the heat-treatment and rolling of metals and in wet processes.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, and metallurgical products, and a rapidly forming collection of microscopic sections and photomicrographs of metals and alloys.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

METALLURGICAL LABORATORY — 1. *Instruments of Precision of Metallurgy*—There are enough Le Chatelier thermo-electric pyrometers to give each student the exclusive use of one throughout his course, and many others of various kinds, some of great precision, some with autographic attachments, etc.

For the microscopic study of metals there are many special microscopes, with appliances for polishing, sclerometers, a drop-testing machine, a Fremont drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit, there are many special furnaces heated by electricity or gas, a small power-driven roll-train, etc.

3. *For Applied Metallurgy* there are, besides the common furnaces, special crucible melting furnaces, muffles, etc., two small reverberatory roasting furnaces a set of lixiviating and precipitating vats, amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, Abbé pebble-mill, Abbé jar-mill, storage batteries, voltmeters and ammeters for electrolysis, and a working stock of ores, refractory materials, fluxes, alloys, iron, and of very many varieties of steel.

4. *Advanced Students*—The laboratory gives advanced students and practitioners unusual advantages for investigating accurately the scientific and many of the economic problems of metallurgy.

**METALLURGICAL LIBRARY**—The Metallurgical Department has a special metallurgical library about sixteen hundred volumes.

## Mineralogy

ALFRED J. MOSES, E.M., Ph.D.....	<i>Professor</i>
LEA McI. LUQUER, C.E., Ph.D.....	<i>Adjunct Professor</i>
MAURICE A. LAMME, Ph.D.....	<i>Tutor</i>
GAILLARD SHERMAN ROGERS, A.B.....	<i>Assistant</i>

## Courses

*See preliminary paragraphs, page 52*

1—Descriptive and determinative mineralogy. *C* 6 hours, *L* 3 afternoons. Professors MOSES and LUQUER, Dr. LAMME, and Mr. ROGERS

3-4—General mineralogy—*C* 2 hours, *L* 1 afternoon. Professor MOSES

5—The minerals of building-stones and the common ores. *C* 2 hours, and *L* 1 afternoon. Professor LUQUER and Assistant

6—Optical mineralogy—Minerals in rock sections. *L* 2 afternoons for two months. Professor LUQUER and Assistant

7—Descriptive and determinative mineralogy. *C* 3 hours, *L* 2 afternoons. Professors MOSES and LUQUER, Dr. LAMME, and Mr. ROGERS

15-16—Mineralogy—Minerals important in the chemical industries. *L* 1 afternoon. Professor MOSES and Assistant

207-208—Optical mineralogy. *C* 1 hour, *L* 1 afternoon. Professor LUQUER

209-210—Physical crystallography. *C* 1 hour, *L* 1 afternoon Professor MOSES

211-212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

### Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic light determinations there is provided a large dark-room.

The Egleston Mineralogical Museum contains about 30,000 labelled specimens, and includes a systematic collection; an economic collection of ores, building materials, and minerals used in chemical industries; a collection illustrating the genesis and alteration of minerals; a collection illustrating the characters of minerals; and small collections of artificial minerals and New York City minerals.

### Mining

HENRY S. MUNROE, E.M., Ph.D., Sc.D.....	<i>Professor</i>
ROBERT PEELE, E.M.....	<i>Professor</i>
EDWARD L. KURTZ, E.M.....	<i>Adjunct Professor</i>
EDWARD K. JUDD, A.B., E.M.....	<i>Instructor</i>

### Courses

*See preliminary paragraphs, page 52*

51—Excavation and tunnelling. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 2 hours. Professor PEELE

53—Excavation, tunnelling, boring, and shaft-sinking. Condensed from courses 51 and 52 for students in civil engineering. 3 hours. Mr. JUDD

54—Prospecting, exploration, development, and methods of working. 3 hours. Professor MUNROE

56—Mine engineering. Surface handling and transportation; transshipment and storage of minerals. Drainage. Water supply. Ventilation. Accidents. Mine surveying, sampling, and valuation. 3 hours. Professor MUNROE

71-72—Mine plant. Hoisting, drainage, ventilating and compressed-air plant, machine drills, coal cutters, and underground handling and haulage. 3 hours. Professor PEELE

73—Mine constructions. Building materials, retaining walls, trestles, ore-bins, etc. 1 hour. Professor PEELE

75—Design of mine plant. Working drawings of specified portions of mine plant, made under supervision and advice in connection with graduating project. 4 afternoons. Professors PEELE and KURTZ, and Mr. JUDD

77-78—Graduating thesis or project. Professor PEELE

80—Mill constructions. 1 hour. Professor KURTZ

81—Ore dressing, gold milling, and the mechanical preparation of coal. 4 hours. Professor MUNROE

82—Ore-dressing laboratory. Working tests. Adjustment, operation, and sampling of concentrating machines. Afternoon work for three weeks. Professors MUNROE and KURTZ, and Mr. JUDD

91—Administration, organization, and business management. 2 hours. Professors MUNROE and KURTZ

94—Mining law. 2 hours. Professor KURTZ

### Summer Courses

58s—Summer course in mine surveying, preceding Mining 59s. 1 week. Professors MUNROE and KURTZ and Mr. JUDD

59s—Summer course in practical mining. Is held in June and July, in the vacation between the third and fourth years, and lasts seven weeks. Professors PEELE and KURTZ, and Mr. JUDD

The summer course includes four to six weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; and one week or more of excursions to other mines and mining regions. Arrangements are also made by which students in small groups may substitute, for the above, independent study at different mines under the general direction of the department.

### Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary according as the student is a candidate for the degree of A.M. or Ph.D. and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. Any of the following courses may be offered as a

minor for the degree of A. M. by students who have had the appropriate prerequisites:

101-102—Mining and ore dressing—Mining 54, 81, and 82. 4 hours, with laboratory work and reading as required.

103-104—Mining engineering—Mining 54, 56, and 91. 3 hours lectures and reading as required.

105-106—Design of mine plant—Mining 71-72, 73, and 75. 3 hours and 4 afternoons draughting-room work.

107-108—Design of ore-dressing works—Mining 80, 81, 82, 73, and 75, with 1 hour conference additional, first half year. 3 hours and 5 afternoons laboratory and draughting-room work.

109-110—Mining—All the undergraduate courses in the Department of Mining.

Under the regulations for the degrees of A.M. and Ph.D. the following courses may be offered by graduate students who have had all the undergraduate courses in mining or their equivalent:

201-202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203-204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205-206—Deep mining—Study of problems involved.

207-208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209-210—Examination of a coal-washing plant, or an ore-dressing plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211s —Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work, with conferences at convenience of professor.

213-214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

### Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by 6 sets of books aggregating over 300 volumes, and containing 90,000 blue prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference during the lectures and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern



slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

**MINING LIBRARY**—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

**MINING MUSEUM**—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

**MINING LABORATORIES**—The basement and sub-basement of the School of Mines are equipped as laboratories for the department of mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

**MINES AND DRESSING WORKS**—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible. Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, Utah, and California.

The metropolitan situation of the School renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1909-10 and more detailed information as to the courses offered and as to the facilities for instruction will be found in the *Announcement of the School of Mines, Engineering, and Chemistry, 1909-10*.

### Music

CORNELIUS RUBNER, Mus. Doc.....	Professor
<sup>1</sup> LEONARD BEECHER McWHOOD, A.B.....	Adjunct Professor
DANIEL GREGORY MASON.....	Associate
FRANK E. WARD.....	Associate

### Courses

*See preliminary paragraphs, page 52*

- 1-2—General Musical Course. 2 hours. Mr. MASON
  - 3-4—General Musical Course, advanced. 2 hours. Mr. MASON
  - 7-8—Harmony. 3 hours. Mr. WARD
  - 9-10—Advanced Harmony and Musical Dictation. 2 hours. Mr. WARD
  - 11-12—Counterpoint. 2 hours. Mr. WARD
  - 13-14—Composition and Orchestration. 2 hours. Professor RUBNER
  - 31-32—University Orchestra. 2 hours. Professor RUBNER
  - 101-102—Advanced Composition Orchestration and Symphonic Form. 4 hours. Professor RUBNER
- Fourteen courses in Teaching and Supervision of Music are offered at Teachers College. (See the *Announcement of Teachers College*.)

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, organ recitals, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra.

### Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the University Orchestra.

### Nature Study

(See Botany and Zoölogy)

Four courses in Nature Study and Agriculture are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College*.

<sup>1</sup> Absent on leave.

## Neurology

M. ALLEN STARR, M.D., LL.D., Sc.D.....	<i>Professor</i>
FREDERICK PETERSON, M.D., Ph.D.....	<i>Professor of Psychiatry</i>
PEARCE BAILEY, M.D.....	<i>Adjunct Professor</i>
EDWARD W. SCRIPTURE, M.D....	<i>Associate in Pathological Psychiatry</i>
R. H. CUNNINGHAM, M.D.....	<i>Chief of Clinic and Instructor</i>
E. L. HUNT, M.D. ....	<i>Instructor</i>
JULES V. HABERMAN, M.D.....	<i>Instructor</i>

*Clinical Assistants in Neurology*

G. W. TODD, M. D.	H. R. HUMPHRIES, M.D.
C. E. ATWOOD, M.D.	E. J. McENTEE, M.D.
L. PIERCE CLARK, M.D.	J. E. CLARK, M.D.
WILLIAM V. P. GARRETSON, M.D.	J. L. MACUMBER, M.D.
JULES V. HABERMAN, M.D.	CHRISTOPHER C. BELING, M.D.
SMITH ELY JELLIFFE, M.D.	

*Clinical Assistants in Psychiatry*

MENAS S. GREGORY, M.D. Chief of Clinic

CHAS. F. HAVILAND, M.D.

ROBERT EDWARD POU, M.D.

ABRAHAM BRILL, M.D.

## Courses

*See preliminary paragraphs, page 52*

51—Didactic lectures with lantern demonstration on nervous diseases. 1 hour. Professor STARR

53-54—Clinical lectures. 1 hour. Professor STARR

55-56—Section teaching—Practical neurology. 10-12 lessons. Drs. CUNNINGHAM and HUNT

57—Psychiatry. Clinics at Bellevue Hospital. 1 hour. October, November, and December. Prof. PETERSON

59-60—Practical instruction in examination and diagnosis of insane patients is given in sections in the Vanderbilt Clinic and Bellevue Hospital. Professor PETERSON and Dr. GREGORY

61-62—A research laboratory for the study of border-line cases at the Vanderbilt Clinic by Dr. SCRIPTURE. Optional.

64—Lectures on neurological subjects—6 lectures, one hour each. Th. at 2 P.M. in February and March. Professor BAILEY

## Obstetrics

EDWIN B. CRAGIN, M.D.....	<i>Professor</i>
HARRY McM. PAINTER, M.D.....	<i>Professor of Clinical Obstetrics</i>
JAMES D. VOORHEES, M.D.....	<i>Adjunct Professor</i>

FELLOWES DAVIS, Jr., M.D.....	<i>Associate in Clinical Obstetrics</i>
WILBUR WARD, M.D.....	<i>Instructor</i>
ROBERT M. BROWN, M.D.....	<i>Assistant in Clinical Obstetrics</i>

### Courses

*See preliminary paragraphs, page 52*

51—Theory and practice of obstetrics—Lectures. 3 hours, two didactic and one clinical. Professor CRAGIN

53-54—Recitations and demonstrations. 1 hour for each student, in small sections of the class. Dr. VOORHEES

55-56—Practical instruction at the Sloane Maternity Hospital. The class is divided into small sections, each section remaining on duty at the Hospital for 3 weeks. Dr. WARD

57-58—Out-patient Service at the New York Infant Asylum. The class is divided into small sections, each section remaining on duty 2 weeks. Professor PAINTER and Dr. DAVIS

### The Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, one of the Instructors in Obstetrics being the resident physician.

The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating-room is equipped with all modern surgical and obstetrical conveniences, and weekly clinics for the entire third-year class are given here during the first half-year. The number of deliveries averages over sixteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

### Oriental Languages

#### CHINESE

FRIEDRICH HIRTH, Ph.D.....*Dean Lung Professor*

Courses 105-106 and 107-108 are designed for students not wishing to become specialists.

*See preliminary paragraphs, page 52*

101-102—Elementary course in the Chinese written language. 3 hours. Professor HIRTH

103-104—The Mandarin dialect. 2 hours. Professor HIRTH

105-106—History of the Chinese Empire. 1 hour. Professor HIRTH

107-108—Language, literature, government, art, and social life of the Chinese. 2 hours. Professor HIRTH

201-202—Analysis and translation of easy commercial documents. 2 hours. Professor HIRTH

203-204—Analysis and translation of selected easy literary texts. 2 hours. Professor HIRTH

205-206—Helps and keys in Chinese literature. 1 hour. Professor HIRTH

### Seminars

The Seminars are for research work and special study in three directions: (a) modern government matters; (b) historical literature; and (c) literature on art, industry, and culture. Any two will be offered in each academic year, according to the needs of students.

301-302—Seminar for the study of Chinese government matters. 2 hours. Professor HIRTH

303-304—Seminar for historical studies in Chinese literature. For Chinese, Korean, and Japanese students especially: China's relations with the Roman Empire, Central and Western Asia. For theological students: the Nestorian inscription. 2 hours. Professor HIRTH

305-306—Seminar for the study of Chinese art, industry, and general culture. 1 hour. Professor HIRTH

Pending the completion of the collection of Chinese books now in the course of formation in connection with the Columbia Library, Professor HIRTH's Courses and Seminars will be held in his private library, near Columbia University, 401 W. 118th Street.

### INDO-IRANIAN LANGUAGES

A. V. WILLIAMS JACKSON, Ph.D., L.H.D., LL.D.....*Professor*  
ABRAHAM YOHANNAN, Ph.D.....*Lecturer*

### Courses

*See preliminary paragraphs, page 52*

101-102—Sanskrit, elementary course. 3 hours. Professor JACKSON

103-104—Avestan, elementary course—Grammar and reading of texts. 2 hours. Professor JACKSON

105-106—Sanskrit, advanced course. Dandin's *Dasakumaracarita*, with the native commentary, or a Sanskrit drama. Introduction to the Veda. 2 hours. Professor JACKSON

107-108—Modern Persian, introductory course. Grammar and reading. Sa'di's *Gulistan*. 2 hours. Dr. YOHANNAN



- 109—History of India and of Persia. 2 hours. Professor JACKSON  
Identical with History 103
- 201-202—Avestan, advanced course—Interpretation of texts  
antiquities, and literature. 2 hours. Professor JACKSON
- 203-204—Pali, elementary course. 1 hour. Professor JACKSON
- 205—Old Persian cuneiform inscriptions. 1 hour. Professor  
JACKSON
- 206—Pahlavi, introductory course. 1 hour. Professor JACKSON
- 207-208—Sanskrit literature. 1 hour. Professor JACKSON
- 209—Zoroastrian Gathas—Reading of texts with the Pahlavi and  
the Sanskrit version. 1 hour. Professor JACKSON
- [210—Zoroaster and Buddha and their teachings. 1 hour. Pro-  
fessor JACKSON]
- 211-212—Modern Persian, second-year course. Selections from  
Firdausi, Omar Khayyam, and Hafiz. 2 hours. Dr. YOHANNAN

#### Course in Armenian

- 213-214—Principles of the grammar, with selected readings. 2  
hours. Dr. YOHANNAN

#### Seminar

- 301-302—Indo-Iranian Seminar. 1 hour. Professor JACKSON

#### Public Lectures

A course of afternoon lectures on the literature, antiquities, and history of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public announcement of the subjects will be made at the time when these lectures are to be delivered.

#### Courses in the Science of Language

- 111-112—Introduction to the study of language. 2 hours. Pro-  
fessor JACKSON in co-operation with the various professors giving  
linguistic courses.
- 113-114—Types of language. First half-year: Indo-European and  
Semitic Languages. Second half-year: American and the Central and  
Eastern Asiatic Languages. 2 hours. The professors of the depart-  
ments concerned.

#### SEMITIC LANGUAGES

- 1 RICHARD J. H. GOTTHEIL, Ph.D. . . . . *Professor*  
JOHN DYNELEY PRINCE, Ph.D. . . . . *Professor*  
SIDNEY ZANDSTRA, Ph.D. . . . . *Gustav Gottheil Lecturer*

<sup>1</sup> Absent on leave 1909-10.

*See preliminary paragraphs, page 52*

### Hebrew

101-102—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. 2 hours. Dr. ZANDSTRA

103—Biblical Hebrew, second course. Selections from poetical writings. Professor PRINCE

104—Biblical Hebrew, second course. Deuteronomy and Hebrew prose composition. 2 hours. Dr. ZANDSTRA

[105—Biblical Hebrew, third (lecture) course. Semitic archæology and its bearings upon the study of the Bible. 2 hours. Professor GOTTHEIL]

106—The history of the literature of the Old Testament. Lectures on the origin and development of Hebrew literature. 1 hour. Professor PRINCE

Other courses in Hebrew are given at the Union Theological Seminary.

### Courses in Rabbinical Hebrew

[107-108—Selected readings from the Mishnah. 2 hours. Professor GOTTHEIL]

[109-110—Selected readings from the Talmud, Treatise Berachoth. 2 hours. Professor GOTTHEIL]

[201—Hebrew historical works. 2 hours. Professor GOTTHEIL]

### Epigraphy

These courses are intended to cover the whole field of Semitic Epigraphy during a period of three years. For Course 203-204 a previous knowledge of Hebrew is required; for Course 206, of Aramæan; and for Course 208, of Arabic.

[203-204—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. *Corpus Inscriptionum Semiticarum*, vol. i. 2 hours. Professor GOTTHEIL]

[206—Interpretation of the Aramæan inscriptions of Sinjirli and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 2 hours]

[208—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. 1 hour. Professor GOTTHEIL]

### ASSYRIAN

111-112—Assyrian elementary course—Study of the syllabary, with readings from Assyrian narrative texts. 2 hours. Professor PRINCE

209-210—Advanced course—Study of the texts in II. and IV. Rawlinson. Sumerian studies. 2 hours. Professor PRINCE

211-212—Advanced course—Sumerian lexicography. 2 hours. Professor PRINCE

#### ARABIC

113—Arabic elementary course—Grammar and translation. 2 hours, first half-year. Dr. ZANDSTRA

114—Second course—Study of Brünnow's *Chrestomathie aus arabischen Prosaschriftstellern*. 2 hours, second half-year. Dr. ZANDSTRA

[213—Advanced course—Selections from the Annals of Tabari]

[214—Advanced course—Selections from the Prolegomena of Ibn Khaldun]

215—Modern Arabic, dialect of Egypt. 2 hours. Professors GOTTHEIL and PRINCE

#### SYRIAC

115-116—Syriac; first course. Brockelmann's *Syrische Grammatik* and the *Acta Martyrum*. 2 hours. Dr. ZANDSTRA

117-118—Second course. Historical Texts; Modern Syriac. Professor GOTTHEIL and Dr. YOHANNAN

#### ETHIOPIC

[217—Ethiopic—Principles of the grammar and reading of the extracts in Prætorius, *Ätiopische Grammatik*. 1 hour. Professor GOTTHEIL]

#### Oriental History

119—The ancient history of Western Asia until Alexander the Great 2 hours. Professor PRINCE. (Identical with History 109)

[120—The rise of Arabian civilization and the spread of Mohammedanism. 2 hours. Professor GOTTHEIL. Identical with History 104]

#### Seminar

301-302—Semitic Seminar—Current questions in Semitic philology and history with especial reference to modern methods of research. 2 hours. Professors GOTTHEIL and PRINCE

#### Egyptian

218—Egyptian—Elementary course in Coptic. 1 hour. Professor PRINCE

219—Egyptian hieroglyphs and advanced Coptic. 1 hour. Professor PRINCE

## Turkish

220-221—Turkish—Principles of the grammar, conversation, and reading of newspapers. 2 hours. Dr. YOHANNAN

## Courses in Hebrew at the Union Theological Seminary

A detailed announcement of these courses is given in the *Announcement of the Division of Oriental Languages*. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

## Equipment

The Columbia University Library contains most of the important periodicals which deal with Oriental research, and has a rich collection of the publications of the learned societies of Europe—*e. g.*, of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. Most of the best works dealing with Semitic philology will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The resources of the University Library are supplemented in the most valuable way by the collections of all branches of Orientalia in the New York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students of Columbia University, contains all the current theological periodicals.

## Pathology

WILLIAM GEORGE MACCALLUM, M.D.	Professor
JOHN HENRY LARKIN, M.D.	Adjunct Professor and Curator of the Museum
HUGH ANGUS STEWART, M.D.	Adjunct Professor

ALWIN M. PAPPENHEIMER, M.D.....	<i>Associate</i>
ISAAC LEVIN, M.D.....	<i>Associate</i>
HUGH AUCHINCLOSS, M.D.....	<i>Instructor</i>
FREDERIC MOIR HANES, M.D.....	<i>Instructor</i>
EDWARDS A. PARK, M.D.....	<i>Instructor</i>

### Courses

*See also preliminary paragraphs, page 52*

52—General Pathology—Systematic lectures and demonstrations upon general and special pathology, each of which is followed by the practical study of the portion of the subject treated in the lecture. 9 hours a week for second half year. Professors MACCALLUM, LARKIN, and STEWART, and Drs. HANES, PARK, and AUCHINCLOSS

55-56—Gross Pathological Anatomy—Demonstration of autopsy material. 2 hours a week. Professors MACCALLUM and LARKIN and others

57-58—Pathological Anatomy and Autopsy Technique—Instruction in the making of autopsies and demonstration of lesions. 3 times a week in different hospitals. Professors MACCALLUM, LARKIN, and Drs. PAPPENHEIMER and HANES and others

54—Conference in General Pathology—Recitation or conference dealing with subjects studied during the preceding week. 1 hour a week. Prof. MACCALLUM

59-60—Advanced Pathology and Research—Properly qualified workers are admitted to the laboratories, where they may pursue the study of any special theme.

Open to candidates for A.M. and Ph.D. degrees, as well as that of M.D.

### Museum

The Museum of Pathology, in charge of Professor LARKIN, is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new or rare forms of lesions.

### Equipment

The Department of Pathology occupies the greater part of the fourth floor of the north wing of the College building together with large class laboratories, amphitheatre, photographic rooms, etc., on the fifth floor. On the roof there is commodious accommodation for animals together with small special rooms for experimental work.

On the fourth floor there are, besides the rooms devoted to the staff, large rooms with abundant desk room for special workers, several



specially equipped operating rooms for aseptic experimental work, a small chemical laboratory, the museum, preparation rooms, cold storage, etc. Two rooms on this floor are occupied by the library which is accessible to workers in this and related departments.

The entire space is amply lighted, fully furnished, and equipped with apparatus necessary for routine teaching and special research.

### Pharmacy

The New York College of Pharmacy is the Division of Pharmacy of Columbia University. In the section of the catalogue devoted to the College of Pharmacy will be found a list of its officers and information as to the equipment and method of instruction. The Program of Studies includes the following courses:

#### Junior Year

Physics—Lectures, recitations, and laboratory, Professor COBLENTZ.

General and Pharmaceutical Chemistry—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK; recitations, Dr. LESLIE

Mathematics of Pharmacy—Practical exercises, Professor VORISEK

Theory of Pharmacy—Lectures, Professor DIEKMAN; recitations, Dr. WIMMER

Practical Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Botany—Lectures, Professor RUSBY; recitations, Dr. BALLARD

Pharmacognosy—General laboratory course, Professor RUSBY; histological laboratory course, Professor MANSFIELD and Dr. BALLARD

Physiology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology and Posology—Recitations, Dr. BALLARD

Biology—Professor MANSFIELD

#### Senior Year

Organic Chemistry—Lectures, Professor CHANDLER; recitations, Professor OEHLER

Pharmaceutical Chemistry (inorganic and organic)—Lectures, Professor COBLENTZ; recitations, Professor OEHLER

Analytical Chemistry—Laboratory work, Professor VORISEK and Dr. LESLIE

Practical Pharmacy—Lectures and recitations, Professor DIEKMAN; laboratory course, Professor DIEKMAN and Dr. WIMMER

Dispensing Pharmacy—Laboratory course, Professor DIEKMAN and Dr. WIMMER

Materia Medica—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Toxicology—Lectures, Professor RUSBY; recitations, Professor RUSBY and Dr. BALLARD

Commercial Pharmacognosy—Laboratory, Professor RUSBY and Dr. BALLARD

Histological Pharmacognosy—Laboratory course, Professor MANSFIELD and Dr. BALLARD

Biology—Professor MANSFIELD

#### Graduate Courses

Plant Analysis—Laboratory, Professor RUSBY

Technical Microscopy—Laboratory, Professor MANSFIELD

Bacteriology—Laboratory course, Professor KNAPP

Quantitative Analysis—Laboratory, Professor VORISEK

Organic Analysis—Laboratory, Professor COBLENTZ

Theory and Practice of Inorganic Quantitative Analysis—Lectures, Professor VORISEK

Commercial Organic Analysis and Toxicology—Lectures, Professor COBLENTZ

Pharmaceutical Assaying and Higher Pharmacy—Lectures and laboratory work, Professor DIEKMAN

Physiological Chemistry—Lectures, Professor GIES

#### Food and Drug Course

Commercial Organic Analysis and Toxicology—Lectures and laboratory course, Professor COBLENTZ

Inorganic Quantitative Analysis—Lectures and laboratory course, Professor VORISEK

Pharmaceutical Assaying—Lectures and laboratory course, Professor DIEKMAN

Technical Microscopy—Laboratory course, Professor MANSFIELD

Food and Drug Inspection—Lectures, Professor DUFF

## Pharmacology, Materia Medica, and Therapeutics

CHRISTIAN A. HERTER, M.D.....	<i>Professor of Pharmacology and Therapeutics</i>
SAMUEL W. LAMBERT, A.M., M.D....	<i>Professor of Applied Therapeutics</i>
SIMON BARUCH, M.D.....	<i>Professor of Hydrotherapy</i>
WILLIAM R. WILLIAMS, A.M., M.D.....	<i>Adjunct Professor of Pharmacology and Therapeutics</i>
WALTER A. BASTEDO, M.D.....	<i>Associate in Pharmacology and Therapeutics</i>
HENRY S. PATTERSON, M.D.....	<i>Chief of Clinic and Associate in Applied Therapeutics</i>
ARTHUR M. SHRADY, A.M., M.D.....	<i>Chief of Clinic and Instructor in Hydrotherapy</i>
CHARLES C. LIEB, M.D....	<i>Instructor in Pharmacology and Therapeutics</i>
NELLIS B. FOSTER, M.D.....	<i>Assistant in Applied Therapeutics</i>
MAX SCHULMAN, M.D.....	<i>Assistant in Applied Therapeutics</i>
HENRY E. HALE, M.D.....	<i>Assistant in Applied Therapeutics</i>

*Clinical Assistants in Applied Therapeutics*

F. G. GOODRIDGE, M.D.	DAVENPORT WHITE, M.D.
MAX NISSELSO, M.D.	ARTHUR LEFFERTS HUTTON, M.D.
DAVID J. KALISKI, M.D.	JULES V. HABERMAN, M.D.
PETER IRVING, M.D.	WM. B. BOYD, M.D.
HENRY M. MORETSKY, M.D.	JESSE FLEET SAMMIS, M.D.
MORRIS FINK, M.D.	PAUL BARTHOLOW, M.D.
ALEXANDER GOLDMAN, M.D.	RALPH G. STILLMAN, M.D.
FRANKLIN MORRIS CLASS	

*Clinical Assistants in Hydrotherapy*

ALBERT J. WITTON, M.D.	CHARLES D. CLEGHORN, M.D.
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## Courses

*See preliminary paragraphs, page 52*

51—Conferences on applied therapeutics—1 hour. Professor LAMBERT

53-54—Clinical instruction in therapeutics—thirty-two 4 hour exercises at the Vanderbilt Clinic, to sections of the class. Professor LAMBERT and Dr. PATTERSON

55-56—Recitations on general therapeutics—2 hours to sections of the class. Professor WILLIAMS

57-58—Lectures on the principles of pharmacology and therapeutics—1 hour. Professor WILLIAMS, Dr. PATTERSON and Dr. FOSTER

59-60—Lectures on pharmacology and therapeutics—2 hours for one half-year; 1 a week for one half-year. Dr. BASTEDO

61—Practical instruction in the pharmaceutical laboratory—2½ hours. Dr. BASTEDO

62—Laboratory course in pharmacology—2 hours. Dr. LIEB

63-64—Recitations in materia medica and pharmacology—1 hour a week, throughout the year. Dr. BASTEDO

66—Prescription writing—1 half-hour. Dr. BASTEDO

67-68—Prescription work in the pharmaceutical laboratory, for advanced students. Dr. BASTEDO

70—Lectures on hydrotherapy—1 hour. Professor BARUCH

71-72—Practical instruction in hydrotherapy—eight 2 hour exercises to sections of the class. Professor BARUCH and Dr. SHRADY

In the Vanderbilt Clinic the department of hydrotherapy is equipped for the practical applications of water in disease, and every student is called upon to make practical use of the apparatus.

73—Lectures—Lectures on selected subjects in therapeutics. Professor HERTER

75—Lectures bearing upon the practical work of examining for life insurance—4 or 5 lectures. Dr. SYMONDS

201—Experimental medicine—A series of demonstrations given in co-operation with the departments of Physiology, Bacteriology, and Surgery. The subjects dealt with by this department relate to the study of the absorption of drugs, effect of drugs upon the circulation, secretion, and digestion. Six demonstrations of two hours each. Professor WILLIAMS and Dr. LIEB

### Research

The research laboratory of pharmacology is open to a limited number of workers.

### Philosophy and Psychology

JAMES McKEEN CATTELL, Ph.D., LL.D.....	<i>Professor</i>
MOSES ALLEN STARR, M.D., LL.D., Sc.D.....	<i>Professor</i>
HERBERT GARDINER LORD, A.M.....	<i>Professor</i>
EDWARD LEE THORNDIKE, Ph.D.....	<i>Professor</i>
<sup>1</sup> FREDERICK J. E. WOODBRIDGE, A.M., LL.D... .	<i>Johnsonian Professor</i>
FELIX ADLER, Ph.D.....	<i>Professor</i>

<sup>1</sup>Absent on leave second half-year

<sup>1</sup> CHARLES AUGUSTUS STRONG, A.B.....	Professor
<sup>1</sup> JOHN ANGUS MACVANNEL, Ph.D.....	Professor
<sup>1</sup> GEORGE STUART FULLERTON, Ph.D., LL.D.....	Professor
JOHN DEWEY, Ph.D., LL.D.....	Professor
ROBERT SESSIONS WOODWORTH, Ph.D.....	Professor
WILLIAM PEPPERRELL MONTAGUE, Ph.D.....	Adjunct Professor
DICKINSON SERGEANT MILLER, Ph.D.....	Professor
ADAM LEROY JONES, Ph.D.....	Adjunct Professor
WENDELL T. BUSH, Ph.D.....	Associate
NAOMI NORSWORTHY, Ph.D.....	Instructor
WALTER VANDYKE BINGHAM, Ph.D.....	Instructor
HAROLD CHAPMAN BROWN, Ph.D.....	Tutor
WILLIAM F. COOLEY, Ph.D.....	Tutor
HARRY LEVI HOLLINGSWORTH, Ph.D.....	Tutor
MARY THEODORA WHITLEY, B.S.....	Tutor
WALKER BOUGHTON PITKIN, A.B., B.D.....	Lecturer
JOSEPH JASTROW, Ph.D.....	Lecturer
J. V. BREITWIESER, A.M.....	Assistant
JOHN MCCHESENEY, A.B.....	Assistant
DAVID E. RICE, A.M.....	Assistant
MAX EASTMAN, A.B.....	Assistant

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NICHOLAS MURRAY BUTLER, Ph.D., LL.D. (Cantab), Litt.D. (Oxon.)  
*President and Professor*

*See preliminary paragraphs, page 52*

### Courses in Philosophy

A1-A2—At Columbia College: The principles of science. 3 hours. Professors DEWEY and MILLER, Dr. BROWN, Dr. COOLEY, and Mr. PITKIN. At Barnard College: Introductory psychology. 3 hours, first half-year. Introductory logic. 3 hours, second half-year. Professor MONTAGUE, Dr. HOLLINGSWORTH and Dr. BROWN

1—Metaphysics. At Barnard College, 4 hours. Professor MONTAGUE

21-22—Ethics. At Columbia College, 3 hours. At Barnard College, 3 hours. Professor LORD

61-62—The history of philosophy. At Columbia College, 3 hours. Professors WOODBRIDGE and MONTAGUE. At Barnard College, 3 hours. Professors WOODBRIDGE and MONTAGUE

80—Introduction to contemporaneous philosophy. At Barnard College, 4 hours. Dr. BROWN

116—Types of theistic theory. 2 hours. Dr. COOLEY

<sup>1</sup> Absent on leave 1909-10.



126—Ethics: the American conception of liberty. 2 hours. Professor ADLER

127-128—Modern ethical ideals. 2 hours. Professor MILLER

131-132—Moral and political philosophy. 2 hours. Professor DEWEY

142—Principles and problems of esthetics. 3 hours. Dr. BUSH

165—Descartes and his successors. 3 hours. Dr. BUSH

166—British philosophy. 3 hours. Mr. PITKIN

169—The Philosophy of Plato. 3 hours. Dr. BUSH

172—Modern Platonism. 3 hours. Dr. BUSH

181-182—Practicum. Philosophy of education. 2 hours. Professor DEWEY

205—Logical analysis. 2 hours. Mr. PITKIN

211-212—Research work in philosophy. Professor DEWEY

213-214—Research work in philosophy. Professor WOODBRIDGE

225-226—Seminar in ethics. 1 hour. Professor ADLER

267—Kant's *Critique of Pure Reason* and *Prolegomena*. 2 hours. Professor WOODBRIDGE

268—Kant's *Critique of Practical Reason* and *Critique of Judgment*. 2 hours. Professor DEWEY

279-280—Contemporary philosophy. 2 hours. Professor MONTAGUE

291—Practicum: Philosophy and education in their historic relations. 2 hours. Professor DEWEY

311-312—The general theory of assemblages. 2 hours. Professor KEYSER

331—Elements of law. 3 hours. Professor MUNROE SMITH

351—Socialism. 2 hours. Professor SIMKHOVITCH

356—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor SIMKHOVITCH

371-372—Intellectual history of Western Europe. 3 hours. Professor ROBINSON

373-374—Seminar in primitive institutions in European history. 2 hours. Professor SHOTWELL

#### *Philosophy of Religion (at the Union Theological Seminary)*

A—Philosophy of religion—the philosophical foundation. 2 hours, first half-year. Professor KNOX

B—Theism. 2 hours, second half-year. Professor KNOX

C—Survey of the ethnic faiths. 2 hours, first half-year. Professor KNOX

F—Introduction to the study of the philosophy of religion. 2 hours. Professor KNOX

Apologetics B and D may also be counted as courses in the philosophy of religion.

*Philosophy of Religion (at the General Theological Seminary)*

A—Psychology of religion. 2 hours, second half-year. Professor HAYES

B—Christian theism. 3 hours, first half-year. Professor HAYES

C—Studies in the philosophy of religion. 2 hours, second half-year. Professor HAYES

D—Studies in the ethnic religions. 2 hours, first half-year. Professor HAYES

*Ethics (at the Union Theological Seminary)*

A and B—Christian ethics. 2 hours. Professor THOMAS C. HALL

C—Special introduction to ethics. 2 hours, first half-year. Professor THOMAS C. HALL

E—History of ethical thought. 2 hours. Professor THOMAS C. HALL

G—Christian casuistry. 1 hour. Professor THOMAS C. HALL

H—Study of modern ethics. 2 hours. Professor THOMAS C. HALL

J—The field of ethical inquiry. 2 hours, first half-year. Professor THOMAS C. HALL

*Ethics at the General Theological Seminary*

A—Ethical development in the Old Testament with a comparative view of ethnic codes. 2 hours, first half-year. Mr. HUNT

B—The ethics of the New Testament. 2 hours, first half-year. Mr. HUNT

C—Christian ethics in relation to modern social problems. 3 hours, second half-year. Mr. HUNT

**Courses in Psychology**

1-2—Elements of general psychology. 3 hours. Professor LORD

3-4—Experimental psychology, introductory course. Lectures, 3 hours. Laboratory work, 4 hours. Professor WOODWORTH assisted by Mr. RICE

7-8—Experimental psychology, introductory course. Lectures,

2 hours. Laboratory work, 4 hours. At Barnard College. Dr. HOLLINGSWORTH

21-22—The psychology of childhood. 2 hours. Professor NORSWORTHY

111-112—Experimental psychology, advanced course. 2 hours. Professor CATTELL

113-114—Experimental psychology. Laboratory work in connection with Psychology 111-112. 2 to 8 hours. Professor CATTELL and Mr. BREITWIESER

121-122—Educational psychology, advanced course. 2 hours. Professor THORNDIKE

131-132—Physiological psychology. 2 hours. Professor WOODWORTH

133-134—Laboratory course in physiological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. BREITWIESER

136—Pathological psychology. 2 hours. Professor JASTROW

221-222—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

231—History and literature of psychology. 2 hours. Professor WOODWORTH

232—Visual interpretation. 2 hours. Professor JASTROW

233-234—Research in physiological and pathological psychology. Professor WOODWORTH assisted by Mr. RICE

251-252—Diseases of the mind and nervous system. 1 hour, four months. Not open to women. Professor STARR

281-282—Problems in experimental psychology. 2 hours. Professors CATTELL and WOODWORTH

283-284—Research work in experimental psychology. Professor CATTELL assisted by Mr. BREITWIESER and Mr. RICE

301-302—Colloquium in psychology. Professor CATTELL

321-322—Seminar in educational psychology. Professor THORNDIKE

### Equipment

**LIBRARY FACILITIES**—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The collection of books on the history of philosophy in the University Library is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important psychological books and

journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 25,000 titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 17 West 43d Street, which is open to students free of charge. The New York Public Library is also available for students, when introduced by one of the instructors, on especially favorable terms.

THE PSYCHOLOGICAL LABORATORY—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and repairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental and physiological psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

### Physical Education

THOMAS DENISON WOOD, A.M., M.D.....	Professor
GEORGE LOUIS MEYLAN, A.M., M.D...	Adjunct Professor and Medical Director of Gymnasium
WILLIAM SKARSTROM, M.D.....	Instructor
A. IRA PRETTYMAN .....	Tutor
I. BLOOM, A.M.....	Assistant
A. BANGSER, A.B., LL.B.....	Assistant
H. COHEN, A.M.....	Assistant
J. C. JENKINS.....	Assistant
J. E. GRAY, A.B.....	Assistant

C. BRANDS, A.B.....	Assistant
GEORGE THOMAS HOLM.....	Teacher of Swimming
E. A. KELLAR.....	Assistant Teacher of Swimming
W. J. GATES.....	Secretary

### Courses

*See preliminary paragraphs, page 52*

#### *For Men*

Hygiene 1-2. Lectures, quizzes, and a report on some phase of personal hygiene or sanitation. 3 hours. Professor MEYLAN

Physical education A1-A2. 2 hours a week of elementary graded gymnastic exercises, swimming, and 6 lectures on personal hygiene. In sections. 2 hours. Dr. SKARSTROM and Assistants

Physical education B1-B2. 2 hours a week of graded gymnastic exercises, athletics, and 6 lectures on personal hygiene. In sections. 2 hours. Professor MEYLAN, Mr. PRETTYMAN, and Assistants

#### *For Women*

A1-A2—Elementary graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

B1-B2—Graded gymnastic exercises and lectures on personal hygiene. In sections. 2 hours. Miss CALHOUN

C1-C2—National folk and æsthetic dancing. 2 hours. Miss CALHOUN

There are also fifteen courses given under the auspices of Teachers College: Physical Education 1-2, 3-4, 5-6, 9-10, 105, 107-108, 109-110, 114, 115-116, 119-120, 121-122, Education 87-88, 187-188, 189-190, and 289-290.

### Equipment

The main exercising room is semicircular in shape, and has a floor area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, an auxiliary gymnasium 40 x 60 feet, rooms for fencing, boxing, and handball, two large dressing-rooms with 1804 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100



by 50 feet on its axes, and contains 200,000 gallons of water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of physical education and school hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, hand-ball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

A course in physical education is required of all Freshmen and Sophomores in Columbia College, and first- and second-year students in the Schools of Applied Science, except students holding degrees from other colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

## Physics

<sup>1</sup> WILLIAM HALLOCK, Ph.D.....	<i>Professor</i>
MICHAEL I. PUPIN, Ph.D., Sc.D.....	<i>Professor of Electro-Mechanics</i>
<sup>1</sup> MARGARET E. MALTBY, Ph.D..	<i>Adjunct Professor (Barnard College)</i>
HERSCHEL C. PARKER, Ph.B.....	<i>Adjunct Professor</i>
<sup>1</sup> JOSEPH C. PFISTER, A.M.....	<i>Adjunct Professor</i>
ALBERT P. WILLS, Ph.D.....	<i>Professor of Mathematical Physics</i>
GEORGE B. PEGRAM, Ph.D.....	<i>Adjunct Professor</i>
BERGEN DAVIS, Ph.D.....	<i>Adjunct Professor</i>
CHARLES H. BURNSIDE, A.M.....	<i>Associate</i>

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave second half-year.

JOHN S. SHEARER, Ph.D.....	Associate
CHARLES C. TROWBRIDGE, M.S., Sc.D.....	Instructor
LEIGHTON B. MORSE, Ph.D.....	Instructor
HAROLD W. WEBB, Ph.D.....	Instructor
GRACE LANGFORD, S.B.....	Tutor (Barnard College)
HERMON W. FARWELL, A.M.....	Tutor
CHARLES FORBES, B.S., M.D.....	Curator
WILLIAM S. DAY, Ph.D.....	Lecturer
HERBERT A. CLARK, B.S., A.M.....	Lecturer (Barnard College)
FRANK F. ALMY, B.S.....	Lecturer
WILLARD L. SEVERINGHAUS, A.M.....	Assistant
LEON E. PENDER, A.M.....	Assistant
WILLIAM S. NELMS, A.M.....	Assistant
BURTON W. KENDALL, S.B.....	Assistant (Barnard College)
WALTER A. MITCHELL, A.B.....	Assistant
ANCEL ST. JOHN, Ph.B.....	Assistant
ANDREW W. JACKSON, A.M.....	Assistant

Courses equivalent to 3-4, 101-102, and 103 are given at Barnard College.

### Courses

*See preliminary paragraphs, page 52*

A—General elementary physics. *C* 3 hours and *L* 2 hours. Professor DAVIS, Mr. ALMY, Dr. MORSE, Mr. NELMS, Mr. MITCHELL

3-4—Elementary mechanics and general physics. *C* 5 hours, first half-year, *C* 3 hours, second half-year. Professors HALLOCK and SHEARER, lectures; Professor PEGRAM, Mr. BURNSIDE, Mr. ALMY, Dr. WEBB, Mr. FARWELL, Mr. SEVERINGHAUS, recitations

41-42—Elementary laboratory course. *L* 3 hours. May be begun either half-year. Dr. MORSE, INSTRUCTORS, and ASSISTANTS

43-44—Intermediate laboratory course. *L* 6 hours. Given each half-year. Dr. MORSE, INSTRUCTORS, and ASSISTANTS

61-62—Intermediate laboratory course. *L* 4-10 hours. Dr. TROWBRIDGE, INSTRUCTORS, and ASSISTANTS

Prerequisite, Physics 41-42

101—Electricity and magnetism. 3 hours. Professor DAVIS

102—Sound and theory of oscillations. 3 hours. Professor DAVIS

103—Light. 3 hours. Professor HALLOCK

105—Electrical measurements. 2 hours. Professor PARKER

151-152—Advanced laboratory course. *C* 1 hour, *L* 4-16 hours.  
Dr. TROWBRIDGE

201—Discharge of electricity through gases. 2 hours. Professor  
DAVIS

205—Heat. 3 hours. Dr. DAY

206—Phenomena of radio-activity. 2 hours. Professor PEGRAM

210—The design and construction of apparatus. 1 hour. Professor  
HALLOCK

271-272—Original research under the direction of professors

### Courses in Mathematical Physics

1-2—Elementary mechanics. 3 hours. Dr. WEBB

6—Analytical mechanics. 2 hours. Dr. WEBB

102—Analytical mechanics. 5 hours. [Professor PEGRAM, Mr.  
BURNSIDE, and Dr. WEBB

105—Thermodynamics. 2 hours. Professor WILLS

107-108—Theory of electricity and magnetism. 2 hours first  
half-year, 3 hours second half-year. Professor WILLS

109—Theory of alternators, transformers, and motors. 3 hours.  
Professor PUPIN

110—Theory of variable currents. 2 hours. Professor PUPIN

201—Mechanics. 4 hours. Professor WILLS

202—Theory of elasticity. 4 hours. Professor WILLS

203—Theory of the potential function. 4 hours. Professor PUPIN

204—Hydrokinetics. 4 hours. Professor WILLS

205—Electricity and magnetism. 4 hours. Professor PUPIN

206—Theory of electrical circuits. 4 hours. Professor PUPIN

207—Theory of sound. 4 hours. Dr. PEGRAM

213-214—Thermodynamics and kinetic theory of gases. 4 hours.  
Professor WILLS

The advanced courses offered in mathematical physics are not all  
given in the same year

*Journal Club*—The Journal Club of the department meets every  
week for the discussion of the current literature of physics, and for  
reports of special investigations.

### Equipment

The laboratories and lecture-rooms of the Department of Physics  
occupy four floors of Fayerweather Hall on the eastern side of the

University grounds. The building is supplied with all ordinary conveniences, including compressed air, steam, electricity for power and light, direct and alternating current. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. There are two lecture-rooms, a library, an apparatus room, a shop, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The undergraduate laboratories are provided with all the usual apparatus for general work in mechanics, sound, heat, light, electricity, and magnetism.

The laboratories used for research have been named by the Trustees the "Phoenix Physical Laboratories," in memory of Mr. Stephen Whitney Phoenix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. On account of this endowment unusual facilities are offered for advanced work and research in physics, as any reasonable demand for apparatus for worthy investigation can be met at once.

Arrangements have been made by which it is possible to carry on certain investigations at the Botanical Garden, in Bronx Park, free from the magnetic and other disturbances of the city.

The department has a shop equipped with wood-, metal-, and glass-working machinery, and employs a skilled mechanician.

The Physical Laboratories at Barnard College occupy the second floor of Fiske Hall. They are supplied with the usual conveniences and well equipped with suitable apparatus for quantitative experimental work in all the courses offered. Through the generosity of Mrs. Collord, the department has recently acquired a very complete equipment in sound-apparatus suitable for illustrating the theory of the production of tone in musical instruments, and for analyzing musical sounds.

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of physics in secondary and normal schools. In these the physics classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 191-192 are enabled to become familiar with the duties of a teacher of physics.

### Physiology

RUSSELL BURTON-OPITZ, M.D., Ph.D.....	<i>Adjunct Professor</i>
FREDERIC SCHILLER LEE, Ph.D.....	<i>Professor</i>
HAVEN EMERSON, A.M., M.D.....	<i>Demonstrator</i>

LEANDER HOWARD SHEARER, M.D.....	<i>Demonstrator</i>
ARTHUR WALKER BINGHAM, M.D.....	<i>Demonstrator</i>
HARRY MAYHAM KEATOR, M.D.....	<i>Demonstrator</i>
RALPH G. STILLMAN, M.D.....	<i>Demonstrator</i>
WILLIAM KENNY TERRIBERRY, M.D.....	<i>Demonstrator</i>

### Courses

(The courses in this department are open to women during the Summer Session.);

*See preliminary paragraphs, page 52*

1-2—Elementary physiology. 1 hour lecture, and 2 hours' laboratory work. Professor BURTON-OPITZ

101-102—General physiology. 1 hour. Professor LEE

103-104—Laboratory course in general physiology. 5 hours. Professor BURTON-OPITZ

105—Laboratory course in special physiology. 3 hours. Professor BURTON-OPITZ

106-107—The physiology of man as related to that of other mammals and of lower vertebrates. Lectures and demonstrations, 4 hours. Recitations, 2 hours. Laboratory work, 3 hours. Professor BURTON-OPITZ and DEMONSTRATORS

201—Experimental medicine. Ten demonstrations of two hours' duration each. Dr. EMERSON

202—Methods of registration. Five exercises of two hours' duration each. Professor BURTON-OPITZ

### Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

### Seminar

The members of the teaching staff and investigators in the department meet monthly to discuss recent advances in Physiology.

### Equipment

The Department of Physiology possesses:

I—At the College of Physicians and Surgeons: (1) A laboratory for research and the preparing of demonstrations. (2) A small laboratory for histological research with special reference to physiological problems. (3) Two rooms for optical or psychological work or for photography. (4) Two private laboratories for professors of the department.



(5) Two laboratories for practical instruction. (6) A room for recitations and for lectures and demonstrations to limited classes. (7) Easy access to a large lecture-room specially fitted for experimental teaching. (8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

II—In Schermerhorn Hall: The use of a laboratory equipped for the instruction of undergraduates.

The physiological journals are accessible to the students of the department; also the most important monographs and other books, both modern and ancient.

### Political Economy and Finance

(See page 83)

### Political Philosophy

(See page 108)

### Politics

(See page 117)

### Practice of Medicine

THEODORE C. JANEWAY, M.D.	<i>Bard Professor of the Practice of Medicine</i>
WALTER B. JAMES, M.D., LL.D.	<i>Professor of Clinical Medicine</i>
FRANK W. JACKSON, M.D.	<i>Professor of Clinical Medicine</i>
GEORGE ROE LOCKWOOD, M.D.	<i>Adjunct Professor of Clinical Medicine</i>
WILLIAM K. DRAPER, M.D.	<i>Adjunct Professor of Clinical Medicine</i>
VAN HORNE NORRIE, M.D.	<i>Adjunct Professor of Clinical Medicine</i>
EVAN M. EVANS, M.D.	<i>Professor of Clinical Medicine</i>
FRANCIS P. KINNICUTT, M.D.	<i>Professor of Clinical Medicine</i>
JOHN SEYMOUR THACHER, M.D.	<i>Professor of Clinical Medicine</i>
FRANCIS HUBER, M.D.	<i>Professor of Clinical Medicine</i>
JACOB KAUFMANN, M.D.	<i>Professor of Clinical Medicine</i>
LINSLEY R. WILLIAMS, M.D.	<i>Chief of Clinic and Associate</i>
DAVID BOVAIRD, JR., M.D.	<i>Associate</i>
EDMUND L. DOW, M.D.	<i>Associate</i>
GEORGE MONTAGUE SWIFT, M.D.	<i>Associate</i>
T. STUART HART, M.D.	<i>Associate</i>
NATHANIEL B. POTTER, M.D.	<i>Associate</i>
LEWIS F. FRISSELL, M.D.	<i>Associate</i>
AUSTIN W. HOLLIS, M.D.	<i>Associate</i>
CHARLES COOK RANSOM, M.D.	<i>Associate</i>
NORBERT STADTMÜLLER, M.D.	<i>Associate</i>
ALBERT E. SUMNER, M.D.	<i>Instructor</i>

JAMES A. MILLER, M.D.....	Instructor
FRED P. SOLLEY, M.D.....	Instructor
HERBERT SWIFT CARTER, M.D.....	Instructor
HAVEN EMERSON, A.M., M.D.....	Instructor
OTTO M. SCHWERTFEGER, M.D.....	Instructor
D. STUART D. JESSUP, M.D.....	Assistant
HERMAN O. MOSENTHAL, M.D.....	Assistant
CURTENIUS GILLETTE, M.D.....	Assistant
LEANDER H. SHEARER, M.D.....	Assistant
ISAAC OGDEN WOODRUFF, M.D.....	Assistant
CHARLES S. FISCHER, M.D.....	Assistant
HOWARD H. MASON, M.D.....	Assistant
FREDERICK J. BARRETT, M.D.....	Assistant
WILLIAM W. HERRICK, M.D.....	Assistant
FRANK ERDWURM, M.D.....	Assistant

### *Clinical Assistants*

JAY WILLIAM DOUNCE, M.D.	D. CLIFFORD MARTIN, M.D.
HERMAN EICHHORN, M.D.	LOUIS H. SCHWARTZ, M.D.
CLAUDE A. FRINK, M.D.	MORRIS DAVID KELLER, M.D.
JULIUS W. WEINSTEIN, M.D.	JOSEPH CASPAR, M.D.
ARTHUR M. JACOBUS, M.D.	WALTER B. MOUNT, M.D.
GEORGE LICHTENSTEIN, M.D.	AUGUST E. BIESER, M.D.
ARMISTEAD C. CRUMP, M.D.	EARL W. KOBLER, M.D.
ALFRED C. HENDERSON, M.D.	H. AUSTIN COSSITT, M.D.

### **Courses**

*See preliminary paragraphs, page 52*

Courses 51, 52, and 54 are required in the second year of candidates for the degree of M.D.; courses 55-56, 57-58, 59-60, 61-62, 63-64, and 65-66 or 67-68 in the third year; courses 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, and 81-82 in the fourth year.

*Optional*—In the fourth year courses 61-62, 87-88 or 89-90, 91-92, 93-94. Courses 83-84 and 85-86 are optional for sections taking course 73-74. Course 91-92 will be accepted in place of 71-72.

51—Physical Diagnosis—Lecture demonstrations, 1 hour, November 1 to February 1. Professor JANEWAY

52—Physical Diagnosis—Practical instruction at the Vanderbilt Clinic, to sections of the class, ten exercises, 2 hours. Drs. EMERSON and HERRICK

54—Elementary Medical Clinic—At the Vanderbilt Clinic, 2 hours, Professor JANEWAY

55-56—Theoretical Lecture—1 hour. Professor JANEWAY

57-58—Clinical Lecture on General Medicine—At the Vanderbilt Clinic, 1 hour. Professor JANEWAY

59-60—Clinical Lecture on General Medicine—At the Vanderbilt Clinic, 1 hour. Professor EVANS

61-62—Clinical Lecture on General Medicine—At the Roosevelt Hospital, 1 hour. Professors EVANS, JACKSON, and THACHER

63-64—Physical and Medical Diagnosis—Practical instruction at the Vanderbilt Clinic and the Out-patient Departments of Bellevue and Presbyterian Hospitals, to sections of the class, 48 hours for each student. Drs. HART, FRISSELL, MILLER, and CARTER

65-66—Recitations in General Medicine—To sections of the class, 2 hours. Dr. BOVAIRD

67-68—Recitations in General Medicine—To sections of the class, 2 hours. Dr. DOW

69-70—Bedside Instruction—In the wards of Roosevelt Hospital, to sections of the class, 6 hours, 24 hours for each student. Professors EVANS, JACKSON, and THACHER

71-72—Hospital General Diagnosis—In the wards and dispensary of Bellevue Hospital, to sections of the class, five mornings and afternoons a week for two months. Professors LOCKWOOD, DRAPER, and NORRIE, and Drs. MILLER, WOODRUFF, GILLETTE, and ERDWURM

73-74—Clinical and Pathological Conference—In the Russell Sage Institute of Pathology, City Hospital, to sections of the class, 2 hours for eight weeks for each student. Professor JANEWAY

#### Hospital Clinics in General Medicine:

75-76—Presbyterian Hospital, four weeks to sections of the class. Professors JAMES, KINNICUTT, and THACHER

77-78—Gouverneur Hospital, to sections of the class, 1 clinic a week for four weeks. Professor HUBER

79-80—Clinical Instruction—At the Vanderbilt Clinic, to sections of the class, 8 hours a week for four weeks. Dr. WILLIAMS and ASSISTANTS

81-82—Clinical Instruction—In the wards of St. Mary's Free Hospital for Children, to sections of the class, 1 a week for four weeks. Dr. SWIFT

83-84—Clinical Instruction—In the wards of the City Hospital, to sections of the class, 1 a week for eight weeks. Dr. POTTER

85-86—Clinical Instruction in Diseases of the Joints—In the wards of the City Hospital, to sections of the class, 1 a week for eight weeks. Dr. RANSOM

87-88—Recitations in General Medicine—To sections of the class, 1 hour. Dr. HART

89-90—Recitations in General Medicine—To sections of the class, 1 hour. Dr. FRISSELL

91-92—Clinical Clerkships—In the wards of St. Luke's Hospital, 9 A.M. to 5 P.M. daily except Thursdays, for two months. Professors LAMBERT, JANEWAY, and NORRIE, and Dr. HOLLIS

In the wards of the German Hospital, Professor KAUFMANN and Dr. STADTMÜLLER

93-94—Clinical Instruction in Alcohol and Drug Intoxications—In the wards of Bellevue Hospital, to sections of the class, 1 or 2 a week. 1 exercise for each student. Dr. Dow

202—Special Course in Pulmonary Tuberculosis—12 clinical lectures combined with practical instruction, offering an opportunity for a limited number of graduates in medicine to study the special diagnosis and treatment of pulmonary tuberculosis. At the Bellevue Tuberculosis Clinic, during May, 1910. Dr. MILLER

### Psychology

(See page 147)

### Public Law and Jurisprudence

(See page 117)

### Rhetoric and English Composition

(See page 95)

### Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M.....	<i>Professor</i>
<sup>1</sup> HENRY ALFRED TODD, Ph.D.....	<i>Professor of Romance Philology</i>
CARLO LEONARDO SPERANZA, J.D., A.M.....	<i>Professor of Italian</i>
LOUIS AUGUSTE LOISEAUX, B.S.....	<i>Adjunct Professor</i>
DANIEL JORDAN, B.S., Pd.B.....	<i>Adjunct Professor</i>
RAYMOND WEEKS, Ph.D.....	<i>Professor</i>
HENRI FRANÇOIS MULLER, B. ès L.....	<i>Instructor</i>
JOHN LAWRENCE GERIG, Ph.D.....	<i>Instructor</i>
CAMILLE FONTAINE, B. ès L.....	<i>Instructor</i>
DINO BIGONGIARI, A.B.....	<i>Tutor</i>
A. ARTHUR LIVINGSTON, A.B.....	<i>Tutor</i>

*See preliminary paragraphs, page 52*

For courses under 100 there is a special numbering under French, Italian, and Spanish respectively. Courses above 100 are all numbered under the general heading Romance Languages and Literatures.

<sup>1</sup> Absent on leave second half-year.

## Courses in French

\*A1-A2—Elementary course. 3 hours. Columbia College, Professor JORDAN and Mr. BIGONGIARI. Barnard College, Mr. MULLER, Dr. GERIG, and Mr. LIVINGSTON

\*B1-B2—Grammar, reading, and composition. 3 hours. Columbia College, Professor JORDAN and Mr. BIGONGIARI. Barnard College, Mr. MULLER and Mr. FONTAINE

B4—Grammar, reading, and composition. 5 hours, second half-year. Mr. FONTAINE.

C1-C2—Elementary course for graduate students. 2 hours. Mr. LIVINGSTON

\*1-2—Introduction to the study of French literature. 3 hours. Columbia College, Professors LOISEAUX and JORDAN. Barnard College, Mr. MULLER and Mr. FONTAINE

3—French composition and conversation based on French history. 3 hours, first half-year. Columbia College, Professor JORDAN

3-4—Modern prose writers, especially the historians. 3 hours. Barnard College, Mr. FONTAINE

4—Composition and conversation based upon scientific French. 3 hours, second half-year. Columbia College, Professor JORDAN

\*5-6—History of French literature in the seventeenth century. 3 hours. Columbia College, Professor LOISEAUX. Barnard College, Professor WEEKS

9-10—Composition. 1 hour. Columbia College, Professor JORDAN. Barnard College, Mr. MULLER

11-12—Advanced composition and conversation. 1 hour. Columbia College, Professor LOISEAUX. Barnard College, Mr. MULLER

21-22—Advanced grammar and composition. 4½ hours first half-year. Teachers College, Professor COHN

101-102—History of French literature in the seventeenth century. 3 hours and special research. Professors WEEKS and LOISEAUX

103-104—History of French literature in the eighteenth century. 3 hours. Professor COHN and Professor LOISEAUX

105-106—History of French literature in the nineteenth century. 3 hours. Professor WEEKS

111-112—French literature of the sixteenth century. 2 hours. Dr. GERIG

113-114—Old French. Reading and discussion of selected extracts and of complete texts. 2 hours. Professor TODD

\* Starred courses are given in both Columbia College and Barnard College.



[205-206—Special topics in seventeenth-century French literature  
2 hours. Professor COHN]

207—Special topics in eighteenth-century French literature. 3  
hours, first half-year. Professor COHN

209-210—Special topics in sixteenth-century French literature. 2  
hours. Dr. GERIG

[215-216—Special topics in nineteenth-century French literature. 2  
hours. Professor WEEKS]

Education 165-166—Methods of teaching French in secondary  
schools. 3 hours, first half-year. Teachers College, Professor COHN

301—Seminar—Special topics in Romance literature. Subject  
for 1909-10: The philosophical works of Voltaire. 2 hours. Pro-  
fessor COHN

302—Seminar—Special topics in Romance literature. Subject for  
1909-10: The "Comédie Sérieuse" in the eighteenth century. 2  
hours. Professor WEEKS

\*15-16—French conversation. 1 hour. Columbia College, Professor  
LOISEAUX. Barnard College, Mr. MULLER

#### Courses in Italian

\*1-2—Elementary course—Grammar, reading, and composition.  
3 hours. Columbia College, Mr. BIGONGIARI. Barnard College, Mr.  
LIVINGSTON

\*3—General introduction to the study of Italian literature. Com-  
position. 3 hours. Professor SPERANZA

131-132—Italian literature of the fourteenth and fifteenth cen-  
turies exclusive of the *Divina Commedia*. Composition. 3 hours.  
Mr. BIGONGIARI

[133—Italian literature of the sixteenth century. Composition. 3  
hours. Professor SPERANZA]

135-136—Critical study of Dante's *Divina Commedia*. First part.  
2 hours. Professor SPERANZA

[137-138—Critical study of Dante's *Divina Commedia*. Second  
part. 2 hours. Professor SPERANZA]

231—Italian literature of the second half of the eighteenth century  
and of the nineteenth century. 3 hours. Professor SPERANZA

#### Courses in Spanish

\*1-2—Elementary course. 3 hours. Columbia College, Mr.  
FONTAINE. Barnard College, Dr. GERIG

\* Starred courses are given in both Columbia College and Barnard College.

\*3-4—General introduction to Spanish literature. Composition. 3 hours. Professor LOISEAUX

141-142—The novela of the golden age. 3 hours. Professor LOISEAUX

[143-144—The Spanish classical drama. 3 hours. Professor LOISEAUX]

11-12—Spanish conversation. 1 hour. Professor LOISEAUX

### Courses in Romance Philology

151-152—Introduction to Romance philology. 2 hours. Professor TODD

153-154—Medieval French literature. The Epic. 2 hours. Professor TODD

[251-252—The formative elements of the French language. 1 hour. Professor TODD]

[253-254—Oldest monuments of the French language. 1 hour. Professor TODD]

[255-256—Old French dialects. 1 hour. Professor TODD]

257-258—Old Provençal. 1 hour. Professor TODD

259-260—Oldest monuments of the Italian language. 1 hour. Mr. LIVINGSTON

265-266—The oldest monuments of the Spanish language. 1 hour. Mr. LIVINGSTON

271-272—Portuguese. 2 hours. Professor TODD

273-274—Rumanian. 2 hours. Professor COHN

303-304—Seminar—Presentation and discussion of doctoral dissertation work. 2 hours. Professor TODD

### Public Lectures

Weekly lectures in French, and occasional lectures in Italian and Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

### The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which are partly of a social character, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc.

\* Starred courses are given in both Columbia College and Barnard College.

### Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the *Alufanzösische Bibliothek*, *Romanische Bibliothek*, publications of the Modern Language Association, publications of the Société des anciens Textes français, *Histoire littéraire de la France*, *Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie*, *Jahrbuch für romanische und englische sprachen*, etc.

An important addition to the equipment of the department consists of the library of the Hispanic Society of America, 153d Street and Audubon Park, the work of which is conducted in agreement with the Romance department.

### Co-operation with the Alliance Française

Elementary evening classes in French are conducted in co-operation with the Alliance Française at Morningside Heights and in the building of the College of Physicians and Surgeons.

### French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz., the Société Française de l'Université Columbia, which admits only men, and the Société Française de Barnard College, which admits only women. They give performances of French plays. The following plays have been presented in recent years: Scribe and Legouvé, *Bataille de Dames*; Meilhac and Halévy, *L'Eté de la Saint Martin*; Eugène Labiche, *Le Voyage de M. Perrichon*, *Un Monsieur qui prend la mouche*; *Le Point de Mire*; Molière, *Le Médecin malgré lui*, *Les Fourberies de Scapin*, etc.

### Shopwork

#### *Offered by the School of Industrial Arts at Teachers College*

CHARLES CONRAD SLEFFEL.....	Instructor
CHARLES WILLIAM WEICK, B.S.....	Instructor
JOHN ROSS.....	Shop Assistant
JOHN JOE WALSH.....	Shop Assistant

1—Wood-turning and pattern making. Shopwork, demonstrations, and shop visits. The construction of typical patterns and core boxes, solid, split, and piece, involving the use of bench tools and turning lathe, Mechanical Engineering. 2 afternoons. Mr. Ross

2—Molding and foundry practice. Shopwork, demonstrations, and shop visits. Bench molding with type patterns, swept work in green sand and loam, and molding in dry sand. Mechanical Engineering. 1 afternoon. Mr. SLEFFEL

10s—Machine work. As below. Mechanical Engineering. 3 weeks in June or September. Mr. WALSH

11—Machine work. Shopwork, demonstrations, and shop visits. Practical work with the lathe, planer, drill, shaper, milling machine, grinder, and turret lathe. Assembling, erection, and rigger's work. Mechanical Engineering. 2 afternoons. Mr. WALSH

12—Forging. Shopwork, demonstrations, and shop visits. Management of fire, shaping, drawing, upsetting, swaging, welding, tempering, and die-forging. Work on drop and helve hammers. Mechanical Engineering. 2 afternoons. Mr. SLEFFEL

13-14—Machine work. As above. Electrical Engineering. 1 afternoon. Mr. WALSH

15—Forging and foundry practice. As above. Civil Engineering. Second year. 1 afternoon. Mr. SLEFFEL

16—Machine work. As above. Civil Engineering. 1 afternoon. Mr. WALSH

18s—Forging, foundry practice, and machine work. As above. Chemical Engineering. Three weeks in June. Mr. SLEFFEL and Mr. WALSH

#### Social Economy

*See page 83*

#### Sociology and Statistics

*See page 83*

#### Surgery

JOSEPH A. BLAKE, M.D.....	<i>Professor</i>
GEORGE E. BREWER, M.D.....	<i>Professor</i>
LUCIUS W. HOTCHKISS, M.D.....	<i>Adjunct Professor</i>
JOHN B. WALKER, M.D.....	<i>Adjunct Professor</i>
CHARLES N. DOWD, M.D.....	<i>Adjunct Professor</i>
CHARLES H. PECK, M.D.....	<i>Adjunct Professor</i>
FRANK HARTLEY, M.D.....	<i>Professor</i>
ALEXANDER B. JOHNSON, M.D.....	<i>Professor</i>
OTTO G. T. KILIANI, M.D.....	<i>Professor</i>
CHARLES T. POORE, M.D.....	<i>Associate</i>
ROBERT ABBE, M.D.....	<i>Associate</i>
WILLIAM C. CLARKE, M.D.....	<i>Associate</i>
J. W. DRAPER MAURY, M.D.....	<i>Associate</i>
FREDERICK T. VAN BEUREN, M.D.....	<i>Instructor</i>
WALTON MARTIN, M.D.....	<i>Instructor</i>

EDWARD MILTON FOOTE, M.D.....	Instructor
ALFRED S. TAYLOR, M.D.....	Instructor
A. EMIL SCHMITT, M.D.....	Instructor
CLARENCE A. MCWILLIAMS, M.D.....	Instructor
ADRIAN V. S. LAMBERT, M.D.....	Chief of Clinic and Instructor
EUGENE H. POOLE, M.D.....	Instructor
PERCY R. TURNURE, M.D.....	Instructor
ROWLAND COX, JR., M.D.....	Instructor
JAMES H. KENYON, M.D.....	Instructor
HOWARD D. COLLINS, M.D.....	Instructor
JAMES I. RUSSELL, M.D.....	Instructor
ARTHUR S. VOSBURGH, M.D.....	Instructor
KARL ALBERT CONNELL, M.D.....	Instructor
WILLIAM DARRACH, M.D.....	Instructor
HUGH AUCHINCLOSS, M.D.....	Instructor
HENRY H. JANEWAY, M.D.....	Instructor
HERMANN FISCHER, M.D.....	Instructor
DEWITT STETTEN, M.D.....	Instructor
RANSOM S. HOOKER, M.D.....	Assistant
JAMES R. WHITING, M.D.....	Assistant

#### *Clinical Assistants*

ALFRED RAABE, M.D.	CLINTON B. KNAPP, M.D.
RANSOM S. HOOKER, M.D.	

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ROBERT F. WEIR, M.D., *Emeritus Professor of Clinical Surgery*  
 CHARLES MCBURNEY, M.D., *Emeritus Professor of Clinical Surgery*

#### **Courses**

*See preliminary paragraphs, page 52*

For Courses in Genito-Urinary Diseases see under Clinical Instruction, page 77

51-52—Surgical pathology and general regional surgery—1 lecture a week. Professor BLAKE

53-54—Clinic in general surgery—At the Vanderbilt Clinic, 1 a week. Professor BLAKE

55-56—Clinic in general surgery—At Presbyterian Hospital, 1 a week. Professor BLAKE

57-58—Clinic in general surgery—At the Vanderbilt Clinic, 1 a week. Professor BREWER

59-60—Clinic in general surgery—At Roosevelt Hospital, 1 a week. Professor BREWER

61-62—Operative surgery on the cadaver—10-12 lessons for each



student. Professor HARTLEY and Drs. TAYLOR, SCHMITT, COX, and KENYON

63-64—Practical instruction in surgery—In the wards of Roosevelt Hospital, 10 hours a week for eight weeks. Drs. MARTIN and DARRACH

65-66—Practical instruction in surgery—In the wards of Bellevue Hospital, 10 hours a week for eight weeks. Drs. HOTCHKISS and WALKER

67-68—Practical instruction in surgery—In the wards of the Presbyterian Hospital, 10 hours a week for eight weeks. Professor BLAKE and Dr. McWILLIAMS

69-70—Practical instruction in surgery—In the wards of the City Hospital, 6 hours a week for four weeks. Drs. FOOTE and COLLINS

71-72—Practical instruction in surgery—At the Vanderbilt Clinic, 10 hours a week for eight weeks. Drs. LAMBERT, VAN BEUREN, AUCHINCLOSS, HOOKER, and WHITING

73-74—Practical instruction—At the Roosevelt Hospital, 1 a week for four weeks. Professor BREWER

75-76—Practical instruction—At St. Mary's Free Hospital for Children. 1 exercise a week for four weeks. Dr. DOWD

79-80—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, 48 lessons for each student. Dr. LAMBERT

81-82—Minor surgery and bandaging—Practical instruction at the Roosevelt Hospital Out-patient Department. 48 lessons for each student. Dr. RUSSELL

83-84—Recitations in general and regional surgery—2 recitations a week during the year. Dr. VOSBURGH

85-86—Recitations in general and regional surgery—2 recitations a week during the year. Dr. CONNELL

87-88—Practical instruction in surgical technic in the laboratory for surgical research—4 hours a week for four weeks. Dr. MAURY

89-90—Recitations in surgical pathology—3 recitations a week. Dr. CLARKE

91-92—Hospital Clinics—*Optional*:

New York Hospital—1 a week. Professor HARTLEY or JOHNSON

St. Luke's Hospital—1 a week. Dr. ABBE

Presbyterian Hospital—1 a week. Professor BLAKE

Hospital for the Ruptured and Crippled—2 a week, Professor GIBNEY and Dr. WALKER; 2 a week, Professor WHITMAN

St. Mary's Free Hospital for Children—1 a week, Professor POORE; 1 a week, Dr. DOWD

General Memorial Hospital—2 a week. Dr. DOWD

201—Experimental Medicine—A series of demonstrations given in co-operation with the departments of Physiology, Bacteriology, and Pharmacology. The subjects dealt with by this department are in detail as follows: The surgery of the chest with special reference to the practicability of the positive pressure method and the technic of oesophageal and pulmonary resections; cranial cavity; the digestive tract with special reference to the disturbances of metabolism following certain operations upon the intestine and stomach; the ductless glands with special reference to the parathyroids. This work is done under the strictest aseptic measures and technic is an important factor. Eight demonstrations of two hours each during the first half-year. Dr. MAURY

### Zoölogy

EDMUND B. WILSON, Ph.D., LL.D., Sc.D., M.D. (Hon.).....	<i>Professor</i>
HENRY F. OSBORN, Sc.D., LL.D.....	<i>Da Costa Professor</i>
BASHFORD DEAN, Ph.D.....	<i>Professor of Vertebrate Zoölogy</i>
<sup>2</sup> HENRY E. CRAMPTON, Ph.D..	<i>Professor of Zoölogy in Barnard College</i>
<sup>1</sup> GARY N. CALKINS, Ph.D.....	<i>Professor of Protozoölogy</i>
MAURICE A. BIGELOW, Ph.D.....	<i>Professor of Biology in Teachers College</i>
THOMAS H. MORGAN, Ph.D.....	<i>Professor of Experimental Zoölogy</i>
JAMES H. MCGREGOR, Ph.D.....	<i>Adjunct Professor of Zoölogy</i>
RAYMOND C. OSBURN, Ph.D.....	<i>Instructor in Barnard College</i>
PAULINE H. DEDERER, A.M.....	<i>Tutor in Barnard College</i>
LOUISE H. GREGORY, Ph.D.....	<i>Tutor in Barnard College</i>
WILLIAM K. GREGORY, A.M.....	<i>Lecturer</i>
HENRY J. SPENCER, A.M.....	<i>Assistant</i>
A. FRANKLIN SHULL, A.B.....	<i>Assistant</i>

Of the following courses 1-2, 3-4, 5, 91-92, and 101-102 are given separately at Barnard College, 151-152 only at Barnard.

For courses given at Teachers College see the current announcement of Teachers College.

### Courses

*See preliminary paragraphs, page 52*

1-2—Elementary biology, zoölogy, general principles of biology. Pre-requisite, Science A or elementary chemistry or physics. C 2 hours, L 4 hours. Professors CALKINS, DEAN, and MCGREGOR

[1—General biology and invertebrate zoölogy. Professors CALKINS and MCGREGOR]

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year.

[2—Evolution and vertebrate zoölogy. Professors DEAN and McGREGOR]

(Course 3-4 may with advantage be taken with 1-2 to form a more comprehensive course. It may be taken only in connection with or subsequent to 1-2)

3-4—General histology. *C* 1 hour, *L* 2 hours. Professor MCGREGOR.  
General embryology. *C* 1 hour, *L* 2 hours. Professor MORGAN

[5—General biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Professor WILSON]

91-92—General zoölogy (to follow 1-2). Professor MCGREGOR

[91—Invertebrates. *C* 3 hours, *L* 6 hours]

[92—Vertebrates. *C* 3 hours, *L* 6 hours]

94—Embryology of vertebrates. *C* 1 hour, *L* 2 hours. Professor MCGREGOR. Prerequisite 1-4

101-102—General zoölogy. *C* 3 hours, *L* 6 hours, and assigned work. Professor MCGREGOR

106—Cellular biology—General structure and functions of the cell. *C* 1 hour, *L* 5 hours. Professor WILSON

110—The parasitic protozoa. *C* 1 hour, *L* 5 hours. Professor CALKINS

151-152—General physiology (for women). *C* 2 hours, *L* 4 hours. Dr. OSBURN

201—Special topics in invertebrate zoölogy. Two days. Professor WILSON

203-204—Mammals, living and fossil—Lectures and laboratory course. 6 hours (one day). Professor OSBORN. The latter part of this course is given in the American Museum of Natural History.

207—Zoölogical research. Individual study of special biological problems.

208-209—Comparative embryology. One day. Professors DEAN and CALKINS

212—The experimental study of evolution, with special reference to statistical work. One day. Professor CRAMPTON

213—Experimental study of reflex action and tropisms. 1 hour, with demonstrations and opportunities for laboratory work. Professor MORGAN

214—Experimental study of instincts. One hour. Professor MORGAN

215-216—Experimental zoölogy. 1 hour with laboratory work on special problems. Professor MORGAN

217—Experimental study of regeneration. 1 hour. Professor MORGAN

218—Experimental embryology, parallel to 220. 1 hour. Professor MORGAN

220—Cellular embryology. One hour. Professor WILSON

221-222—Protozoölogy. *C* 1 hour, *L* 5 hours. Professor CALKINS

223-224—Evolution of the vertebrates. One day. Professor OSBORN and Mr. GREGORY

228—Fishes, living and fossil. *C* 1 hour, *L* 2 hours. Professor DEAN

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given from time to time by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

### Laboratories, Libraries, and Equipment

The zoölogical laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room, a library, and a seminar-room. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types, and the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students.

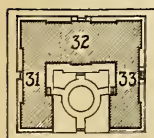
Important adjuncts to zoölogical work are offered by the American

Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories at Wood's Hole, Mass., and Cold Spring Harbor, L. I. Several investigators' tables are held at the Wood's Hole laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory. A table at the Naples Zoölogical Station is also supported by the University.

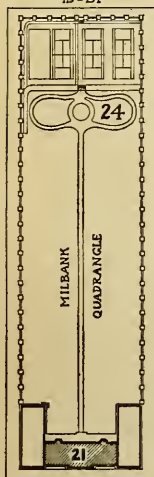




CLAREMONT AVENUE



119th ST

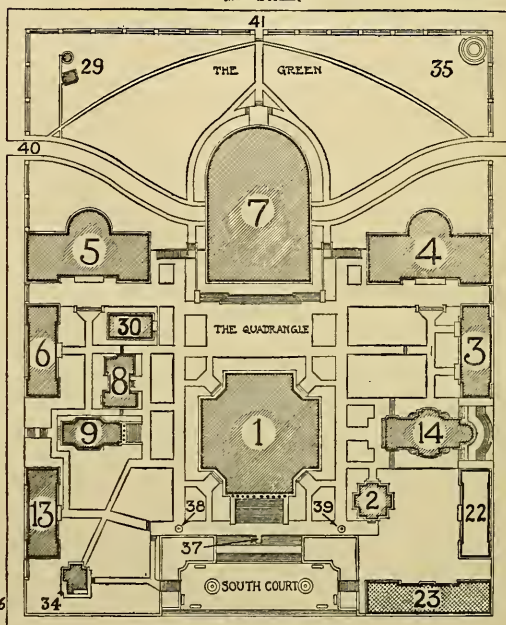


115th ST



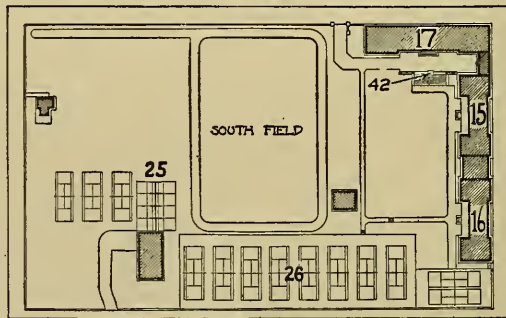
121st STREET

120th STREET



116th STREET

114th STREET



119th ST

118th ST

117th ST

115th ST

AMSTERDAM AVENUE

1. Library
2. East
3. Fayerweather
4. Schermerhorn
5. Havemeyer
6. Engineering
7. University
8. West
9. Earl
10. Macy
11. Milbank Memorial Chapel
12. Main Building (Teachers)
13. School of Mines
14. St. Paul's Chapel

15. Hartley
16. Livingston
17. Hamilton
18. Horace Mann School
19. Thompson Memorial
20. Women's Dormitory
21. Brooks Hall
22. School of Journalism
23. Kent Hall
24. Milbank Quadrangle
25. Hand-Ball Courts
26. Tennis Courts
27. Domestic Science Building
28. Peabody Greenhouse

29. Observatories
30. Model House
31. Fiske
32. Milbank
33. Brinkerhoff
34. Faculty Club
35. Statue, Great God Pan
36. Subway Station
37. Alma Mater
38. Lafayette Post Flag Staff
39. 1881 Flag Staff
40. Mapes Gates
41. Class of 1882 Gates
42. Alexander Hamilton Statue

# ENTRANCE REQUIREMENTS

## Committee on Undergraduate Admissions

Professor JONES, *Chairman*

Professor	BLACK	Professor	ODELL
DR.	BRAUN	"	RAUTENSTRAUCH
Professor	COLE	"	RUSBY
"	CURTIS	"	SACHS
"	MC CREA	"	F. D. SHERMAN
"	MAYER	"	MABEL F. WEEKS

## GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Medicine, Political Science, Philosophy, Pure Science, and Fine Arts (courses leading to degrees), or to Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

## EXAMINATIONS

Except for reasons of weight candidates for admission to the Freshman class in the College or Barnard must be at least fifteen years of age at the time of matriculation and correspondingly older for admission to advanced standing; and for admission to the Schools of Mines, Engineering, Chemistry, Architecture, Music, and Design, at least eighteen years of age.

The examination requirements for admission may be satisfied by any one of the three following means, or by any approved combination thereof:

1. By the examinations of the College Entrance Examination Board. These examinations are held annually in June, in 1910 beginning on June 20, at Columbia University and at about one hundred and fifty other educational centres in the United States and Europe. A complete list of the places and times of such examinations, together with the regulations governing them, is published about March 1 annually and may be obtained from the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York City.

2. By the examinations conducted by the Columbia University

Committee on Undergraduate Admissions. These examinations are held in September and January of each year (beginning on September 19, 1910, and January 16, 1911), and only at the University.

3. By the examinations of the State Examination Board of the New York State Education Department. These examinations are held in January and June at more than six hundred high schools and other institutions throughout the state of New York, but, save in exceptional circumstances, are open only to students in those schools. Full information regarding the regulations governing them may be obtained by application to the New York State Education Department, Albany, New York.

A copy of the time-scheme of the examinations held by the College Entrance Examination Board in June, and by Columbia University in September and January, together with information as to the proper method of filing application-blanks for these examinations, the payment of fees, the division of examinations, and also detailed definitions of the requirements in each admission subject, is given in the Bulletin of Entrance Examinations and Admission which may be had upon application to the Secretary of the University.

*All persons taking the January examinations will receive due credit for the results of the examinations. Students may be admitted, at the beginning of the second half-year only to Columbia College and Barnard College; and provided they offer Plane Analytical Geometry in addition to the stated requirements for admission, to the Schools of Mines, Engineering, and Chemistry.*

#### APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1910, the application must be filed with the Secretary of the College Entrance Examination Board. Applications for examination in the United States east of the Mississippi River must be filed on or before June 6. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 30. Applications for examination outside of the United States and Canada must be filed on or before May 16.

For the examinations in January and September, 1910, applications should reach the Registrar of Columbia University on or before January 3, and September 10.

#### EXAMINATION FEE

Each application for examination in June must be accompanied by a fee of \$5 for all candidates examined at points in the United States and Canada, and \$15 for all candidates examined at points outside of the United States and Canada.

Each application for examination in January or September must be accompanied either by a fee of \$5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the University will cover only two consecutive series of examinations, namely January and September or September and January.*

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of \$5 must be paid.

The examination fee receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

#### RESTRICTIONS GOVERNING CREDITS FOR EXAMINATIONS

A candidate may present himself at any of the series of examinations scheduled above, and the results may be credited towards the fulfilment of the requirements for admission, subject to the following restrictions:

1. A candidate in making application for examination must submit a statement from the principal of his school, or from his last instructor, indicating the extent and character of his preparation in each subject in which he applies for examination, and credit may be withheld when this requirement is not met.

2. The results of an examination may stand to the candidate's credit for twenty-nine months, but no longer.

3. A candidate may not present himself for examination more than four times, except by special consent of the Committee on Admissions.

4. The results of the examinations conducted by the New York State Examination Board can be credited only in so far as the subject matter of these examinations specifically covers the subjects, or lettered or numbered parts of subjects, which are accepted for admission to Columbia University. Candidates who have been granted the College Entrance Diploma issued by the New York State Education Department may be admitted to Columbia College free of conditions if the directions given in the Columbia University Bulletin of Entrance Examinations and Admission have been observed. The diploma should be forwarded to the Secretary of the University together with the application for admission.



5. In order to be credited towards entrance, the reports of a candidate's examinations, together with the statement of the extent and character of his preparation in each subject offered, must be in the hands of the Committee on Admissions one week prior to the opening of the term in September or January.

6. The reports of all examinations must be rendered to the Committee on Admissions in percentages. The Committee interprets these percentages as Passed (P), Conditioned (Q), or Failed (F). Credit towards admission is given only for such examinations as receive a grade of P.

#### EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of units as indicated below. The unit here represents the number of years at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

Candidates for admission to Columbia College, Barnard College, the Schools of Mines, Engineering, and Chemistry must offer fifteen units; Pharmacy, twelve; and the Schools of Architecture, Music, and Design, ten; including in each case the prescribed subjects indicated in heavy type.

Candidates for the A.B. and B.S. may offer not more than 4 units from Group II, nor in Columbia College more than 3 from Group III. In Barnard College candidates for the A.B. may offer not more than 2 units from group III; candidates for the B.S. may offer any 2 units or more except Shopwork.

Candidates for admission to the School of Architecture may not offer more than four units in foreign languages. If two languages are offered one of these must be French. *They will also be required to give evidence by examination, certificate, or duly certified work, of a practical knowledge of the orders of architecture, elementary projections, shades and shadows, architectural rendering in India ink and color, and of freehand drawing from the cast.*

Candidates for the certificate of Proficiency in Music must give evidence of the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

#### SCHEDULE OF EXAMINATIONS

The examination at Columbia University will be held as follows:

For men, in Hamilton Hall in January, and in the Gymnasium in June and September.

	College		Barnard			Mines & Engineering Chemistry	Certificates In Fine Arts			Pharmacy
UNITS REQUIRED	15	15	15	15	15	15	10	10	10	12
	For A.B.	For B.S.	For A.B.	For B.S.	For 2 Yr. course		For Architecture	For Music	For Design	
I English Elementary	3	3	3	3	3	3	3	3	3	3
Mathematics Elementary	3	3	3	3	3	3	3	3	3	3
Latin Elementary	4	$\frac{2}{2-4}$	4	$\frac{2}{2-4}$	4	2	2	2	2	2-4
II French Elementary	2	2	2	2	2	$\frac{2}{2}$	2	2	$\frac{3}{2}$	2
German Elementary	2	2	2	2	2	$\frac{3}{2}$	2	2	$\frac{3}{2}$	2
Italian	2	2	2	2	2			2	$\frac{3}{2}$	
Spanish	2	2	2	2	2	2		2		2
III Botany	1	1	1	1	1					1
Chemistry	1	1	1	1	1	1	1		1	1
Physics Elementary	1	1	1	1	1	1	1	1	1	1
Physiography	1	1	1	1	1	1				1
Shopwork	1	1				1				
Zoölogy	1	1	1	1	1	1				
IV Greek Elementary	3	3	3	3	3			3	3	3
History Elementary	1-2	1-2	1-2	1-2	1-2	1-4	1-2	1-2	1-2	1-2
Drawing	1	1	1	1		1	1	1		1
Music	1	1	1	1				1-4		
French Intermediate	1	1	1	1	1	1				1
German Intermediate	1	1	1	1	1	1				1
English Advanced	1	1	1	1						
Greek Advanced	1	1	1	1	1					1
History Advanced	1	1	1	1	1			1		1
Latin Advanced	1	1	1	1	1					1
Mathematics Advanced	1	1	1	1	1	1	1	1	1	1

<sup>1</sup> Either French or German must be offered. All candidates for the degrees of Engineer of Mines, Metallurgical and Chemical Engineer, and Chemist are recommended to offer Elementary and Intermediate German.

<sup>2</sup> Candidates for the B.S. in Columbia College not offering 4 units in Latin must offer Chemistry, Physics, and 2 units in intermediate or advanced subjects.

<sup>3</sup> Candidates for admission to the School of Design must offer either Elementary French, German, or Italian.

For women, in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

### Schedule

January 10-17, 1910, June 20-25, 1910

*Monday, January 10 and June 20*

Mathematics <i>a</i> , <i>i</i> , <i>ii</i> (Elementary Algebra; to Quadratics; Quadratics, etc.).....	9.30-12.30
History <i>b</i> (Mediæval and Modern History).....	1.30-3.30
History <i>d</i> (American History).....	1.30-3.30
Physics (Elementary).....	3.45-5.45
Botany.....	3.45-5.45
Zoölogy.....	3.45-5.45

*Tuesday, January 11 and June 21*

Mathematics <i>c</i> , <i>d</i> (Plane Geometry; Solid Geometry)...	9-12
History <i>a</i> (Ancient History).....	1.30-3.30
History <i>c</i> (English History).....	1.30-3.30
German <i>a</i> (Elementary German).....	3.45-5.45

*Wednesday, January 12 and June 22*

Latin <i>b</i> (Cæsar).....	9-10.30
Latin <i>m</i> (Sight Translation).....	10.45-12.30
French <i>a</i> (Elementary French).....	1.30-3.30
German <i>b</i> (Intermediate German).....	3.45-5.45
Spanish.....	3.45-5.45
*Italian.....	3.45-5.45

*Thursday, January 13 and June 23*

Latin <i>c</i> (Cicero).....	9-11
Latin <i>a</i> (Grammar and Composition).....	11.15-12.30
*Shopwork (Written).....	1.30-3
Latin <i>d</i> (Vergil's <i>Æneid</i> , Books I-VI).....	1.30-3.30
French <i>b</i> (Intermediate French).....	3.45-5.45

*Friday, January 14 and June 24*

English <i>a</i> (Reading and Practice).....	9-11
Latin <i>l</i> (Prose Composition).....	11.15-12.30
English <i>b</i> (Study and Practice).....	1.30-3.30

\*.Not offered in June.

Chemistry.....	3.45-5.45
Physiography.....	3.45-5.45
Greek <i>c</i> (Homer's Iliad, Books I-III).....	3.45-5.45
Music <i>b</i> (Harmony).....	3.45-5.45

*Saturday, January 15 and June 25*

Greek <i>b</i> (Xenophon).....	9-11
Drawing.....	9-11.30
Greek <i>a</i> (Grammar and Composition).....	11.15-12.30
*Advanced History.....	1.30-3.30
Mathematics <i>f</i> (Plane Trigonometry).....	1.30-3.30
Greek <i>g</i> (Sight Translation).....	1.30-3.30
Greek <i>f</i> (Prose Composition).....	3.45-5.45
Music <i>a</i> (Musical Appreciation).....	3.45-5.45

*Monday, January 17*

*Shopwork (Laboratory).....	10-12
*Advanced English.....	9-12
*Advanced Greek.....	9-12
*Advanced Latin.....	1-4

## SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

All work submitted must be duly certified to in ink by the teacher in the following form:

"I certify that this is a true and original record of work actually performed by .....while in attendance at ..... during the year 19.....

Instructor in.....

Drawings should bear a similar certification, or in case of work not done under instruction should be accompanied by the candidate's own signed declaration.

All note-books unless otherwise specified should be submitted at the time for examination. Candidates desiring their return should apply for the June examinations to the Secretary of the College Entrance Examination Board; for the September and January examinations, to the Chairman of the Committee on Admissions.

English exercise books, submitted in lieu of examination, Advanced English essays, or Advanced History note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. English

\*Not offered in June.

exercise books will *not* be returned to the writers. All note-books uncalled for one year from the date of submission will be destroyed.

Admission to Advanced and Special Standing.

(See Faculty Statements page 190 *et seq.*)

### DEFINITIONS OF REQUIREMENTS

(Specimens of the question papers set by Columbia University are on file in the University Library or may be obtained from the Chairman of the Committee on Undergraduate Admissions upon application. The question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, New York.)

The following abridged statements are intended merely to indicate the general scope of the requirements. The official definition of each requirement is printed in full in the *Bulletin of Entrance Examinations and Admission*, and any person who intends to take the examinations himself or to prepare others for them should procure this Bulletin.

**Botany**<sup>1</sup> (One unit). (1) Structure and life history of 16 or more types of representative families of plants, 10 of them seed plants. (2) Elementary plant physiology. (3) Elementary natural history (ecology of plants). Requiring one year of laboratory and class-room instruction, for the course.

**Chemistry**<sup>1</sup> (One unit). Preparation and properties of the common elements and their important compounds.

Mastery of the more usual chemical terms and ability to make simple calculations and explanations of chemical processes. Preparation should include lectures and demonstrations, study of standard elementary text-books, and forty or more laboratory exercises.

**Drawing**<sup>1</sup> (One unit). The ability to sketch free-hand with reasonable accuracy—(a) From dictation: Simple geometrical figures; (b) From the object: A vase, household utensil, or other familiar object; (c) From the copy: Enlarging or reducing simple pieces of machinery or architectural or decorative detail. (At least 20 freehand drawings must be submitted.)

**English** (Three units). (a) Reading and Practice (this part of the test may be fulfilled in whole or in part by an exercise book). (See page 177.) A test of training in English composition. A

<sup>1</sup>A certified and indexed note-book must be submitted (see p. 177).



list of the books prescribed for reading appears in the Bulletin. (b) Study and Practice. The subject-matter, form, and structure of certain specified works, and incidentally English grammar and English literary history. Prescribed for 1910:—Macbeth; Lycidas; Comus; L'Allegro and Il Penseroso; Burke on Conciliation, or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson, or Carlyle's Essay on Burns. (For succeeding years see Bulletin.)

**English, Advanced** (One unit). Candidates must have covered substantially the same ground as that included under English A1-A2. (see page 96). (1) English composition, presupposing the elements of rhetoric. (2) General history of English literature, and selected works (a list of which may be obtained from the Secretary of the University). Ten essays of at least 500 words each must also be submitted. (See p. 177.)

**French, Elementary** (Two units). Accurate pronunciation and the ability to read at sight easy prose and to put into French simple English sentences. The rudiments of the grammar, involving all but the rare irregular verb forms and the simpler uses of conditional and subjunctive. The preparation should include, beside the mastery of a good elementary text-book, the reading of 300-600 pp. of easy French.<sup>1</sup>

**French, Intermediate** (One unit). Additional reading, 400-600 pp. including dramatic works. Grammar completed. Further drill in composition.

**German, Elementary** (Two units). Accurate pronunciation and the ability to read easy dialogue and narrative prose, and a working knowledge of grammar and composition adequate for the putting into German of simple English sentences based upon a familiar vocabulary. The preparation should include, beside the mastery of a good elementary text-book, the reading of 150-200 pp. of easy German.<sup>1</sup>

**German, Intermediate** (One unit). Additional reading, 400 pp. of moderately difficult prose and poetry. Further drill in grammar and composition, with special reference to syntax.

**Greek, Elementary** (Three units). (a) 1 and 2.—Attic grammar and elementary composition, based on Anabasis I-II. (b) Anabasis I-IV. (c) Iliad I-III (except II, 494-end) with tests

<sup>1</sup> A list of the reading recommended will be found in the Bulletin.

concerning constructions, poetic forms, and prosody. (f) Translation into Greek of simple continuous English prose. (g) Translation into English at sight of continuous Greek prose.

**Greek, Advanced** (One unit). Candidates must have covered substantially the same ground as that included under Greek 3-4 (see p. 106): at least 1200 additional lines in Homer, Herodotus, Bk. vi., and Plato's Apology.<sup>1</sup> Also at least fifteen exercises in Spieker's Greek Prose Composition.

**History, Elementary** (Each of the four divisions a, b, c, and d counts one unit. Candidates for admission to the Schools of Mines, Engineering, and Chemistry may offer one or more of the divisions without restriction. All other candidates may offer any one or any two of the divisions without restriction). (a) Ancient, beginning with brief study of Oriental peoples and coming down to the death of Charlemagne, with reference to art, literature, and government. (b) From 800 on including growth of the State system. (c) English history, including social and political developments. (d) American history with the elements of civil government.

Each field may best be covered by an accurate text-book of 300 pp. plus, say, 300 pp. of selected supplementary reading.

**History, Advanced**<sup>2</sup> (One unit). (Candidates must have offered for elementary history either a and b or c and d, and must present themselves for examination upon the two divisions *which they did not offer as an elementary subject*.) The work performed must have been of the same kind, amount and quality as that required for History A1-A2 (see page 108). Supplementary reading emphasizing the significance of historical phenomena. The candidate must present at least 5000 words of notes on each historical field offered, and show practice in making historical parallels, in preparing digests of outside reading, and in the use of historical maps.

**Italian, Elementary** (Two units). The requirement corresponds to that in Elementary French (see p. 179).

**Latin, Elementary** (Four units), *i.e.*, a, c, d, l, and m, or two units *i.e.*, a and either c or d, or—except for Columbia College, Barnard College, and Schools of Music and Design (courses leading to a certificate in Music or Design)—b. (a) i and ii—Elementary

<sup>1</sup> For information concerning possible substitutions, see Bulletin.

<sup>2</sup> A certified note-book must be submitted (see p. 177).

grammar and prose composition. (b) Any four books of Cæsar's Gallic War, preferably I-IV. (c) Cicero, any six orations, preferably the four orations against Catiline, Archias, and the Manilian Law. (d) Vergil. The *Æneid*, I-VI, with incidental prosody. (l) Translation into Latin of simple continuous English prose. (m) Translation into English at sight of continuous Latin prose.

**Latin, Advanced** (One unit). Candidates must have covered substantially the same ground as that included under Latin A1-A2 (see page 113). Horace, Odes, Bks. I and III, with incidental prosody, and Livy, Bk. XXI and Chapters 41-53, Bk. XXII<sup>1</sup> (or, for Barnard College, Vergil, Eclogues, and Ovid, selections). Fifteen exercises from Part I and ten from Part II of Gildersleeve and Lodge's Prose Composition.

**Mathematics, Elementary** (Three units). (a) Elementary algebra, including—i, the four fundamental operations for rational expressions, and such topics as lowest common multiple, ratio and proportion, linear equations, radicals, fractional and negative exponents; ii, quadratic equations, arithmetic and geometric progressions, the binomial theorem for positive integral exponents, the use of graphical methods. (b) Plane geometry—original exercises, loci, mensuration of lines and plane surfaces.

**Mathematics, Advanced** (One unit). (d) Solid geometry, original exercises, loci problems, mensuration of surfaces and solids. (e) Trigonometry, the principal formulas, simple equations and triangles, theory and use of logarithms (without infinite series).

**Music.** NOTE—A candidate for admission to Columbia College may offer either a or b. A candidate for admission to the School of Music (courses leading to a certificate in Music) may offer either a or b or both—with or without the addition of Musical Performance.

(a) Musical Appreciation (not involving ability to perform nor to read from printed music) (One unit). (1) The principal musical forms and their historical development; (2) the lives and environment of Bach, Mozart, Beethoven, Schubert, and Chopin, and five other composers; (3) familiarity with certain compositions designated in Bulletin.

(b) Harmony (One unit). The elements of simple harmonization.

(c) Musical Performance (Two units). The candidate should communicate with the School of Music regarding this requirement.

<sup>1</sup> For information as to possible substitutions, see Bulletin.

**Physics**<sup>1</sup> (One unit). The most important facts and laws in elementary physics. Preparation should include the mastery of a standard text-book supplemented by numerical problems, instruction by lecture with demonstrations and individual laboratory exercises—say, mechanics, 13; sound, 3; heat, 5; light, 6; electricity, 8.

**Physiography**<sup>2</sup> 1 and 2 (One unit). Preparation includes modern text-books and at least forty individual laboratory and field exercises—say, earth as a globe, 5; ocean, 5; atmosphere, 12; land, 18.

**Shopwork** (One unit). Involving in each subject 180 laboratory hours, examination, both written and practical, on the use and structure of tools, nature of shop processes, methods of construction, and properties of materials. Authenticated models may be presented as evidence of technical skill.

The candidate may offer either (a) Woodwork—i, joinery, ii, turning and patternmaking, or (b) Forging, or (c) Machine-work.

**Spanish, Elementary** (Two units). The requirements correspond to that in elementary French, see page 179.

**Zoölogy** (One unit). Laboratory and field study, supplemented by text-book and further reading. (1) General natural history of common American animal types. (2) Classification of animals into phyla and leading classes. (3) Structure of typical animals—say, frog or fish, decapod, earthworm, hydra, protozoön. (4) Physiology of the types studied and comparison of life-processes of animals and plants. (5 and 6) (in a very elementary way) Reproduction, embryology, and (optional) elements of cytology. (7) (optional) biological history.

<sup>1</sup> A certified and indexed note-book must be submitted (see p. 177).

<sup>2</sup> This is identical with the subject called Geography by the College Entrance Examination Board.

## REGULATIONS FOR THE DEGREES OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

NOTE.—Attention is particularly called to that part of the *Announcement* of the graduate faculties entitled "Instruction for Graduate Students."

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy known as the Higher Degrees must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or have an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Executive Committee of the University Council.

Each candidate for a higher degree must present to the Dean satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.<sup>1</sup> The year spent in study for the former is credited on account of the requirement for the latter. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University as a graduate student for at least one year. The satisfactory completion of the work of not less than four Summer Sessions or two consecutive Summer Sessions and a half-year intervening or following, will be accepted as fulfilling the minimum requirement of one year's university residence.

3. Each student who declares himself a candidate for a higher degree shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote about one-half of their time throughout their course of study to the major subject, and about one-quarter to each minor subject.

Except by vote of the Executive Committee of the University Council upon the recommendation of the Dean and the head of the department concerned, no candidate may choose his major and both minor subjects under one department.

<sup>1</sup>In practice three years of university residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.



Minor subjects may not be changed except by permission of the Dean, on the written recommendation of the heads of the departments concerned; major subjects may not be changed except by vote of the Faculty in each case.

Both the professor in charge of the major subject and the Dean must pass upon the student's qualifications for the course of study he desires to pursue, and approve his choice of subjects before registration can be effected.

4. The subjects from which the candidate's selection must be made are:

#### UNDER THE FACULTY OF POLITICAL SCIENCE

Group I.—History and political philosophy: (1) Ancient and oriental history; (2) medieval history; (3) modern European history from the opening of the 16th century; (4) American history; (5) political philosophy.

Group II.—Public law and comparative jurisprudence: (1) Constitutional law; (2) international law; (3) administrative law; (4) comparative jurisprudence.

Group III.—Economics and social science: (1) Political economy and finance; (2) sociology and statistics; (3) social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate must select one minor subject outside of the group which includes his major subject.

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

The candidate for the degree of Master of Arts must take, in each subject, courses occupying at least two hours weekly throughout one year. In his major subject he must also attend a Seminar.

The candidate for the degree of Doctor of Philosophy must take, in his major subject, courses occupying at least four hours weekly during each required year of residence (provided that this number of hours be offered in the subject), and must also attend a Seminar during the period of residence. In each minor subject he must take courses occupying at least two hours weekly during each required year of residence.

#### UNDER THE FACULTY OF PHILOSOPHY

I. Major Subjects: (1) Philosophy; (2) psychology; (3) anthropology; (4) education; (5) linguistics; (6) comparative literature; (7) classical archæology and epigraphy; (8) Greek language and literature, and, incidentally, Grecian history; (9) Latin language and literature, and, incidentally, Roman history; and the following, including in each

case the study of both the language and the literature: (10) English; (11) Germanic languages; (12) Romance languages; (13) Sanskrit (with Pāli) and Iranian; (14) Semitic languages; (15) Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 may any one of them be offered as the equivalent of a major and one minor subject.

II. Minor Subjects: (1) Philosophy; (2) psychology; (3) anthropology; (4) education; (5) linguistics; (6) comparative literature; (7) Greek; (8) Greek archæology; (9) Latin; (10) Roman archæology; (11) Sanskrit; (12) Iranian; (13) English; (14) Anglo-Saxon; (15) Gothic; (16) Germanic philology; (17) German language and literature; (18) Scandinavian languages and literatures; (19) Romance philology; (20) French language and literature; (21) Spanish language and literature; (22) Italian language and literature; (23) Hebrew; (24) Arabic; (25) Assyrian; (26) Syriac; (27) Ethiopic; (28) Semitic epigraphy; (29) Turkish; (30) Armenian; (31) Chinese; (32) Coptic; (33) Celtic; (34) comparative religion.

A candidate for the degree may, with the consent of the Dean, of the heads of the departments concerned, and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

#### UNDER THE FACULTY OF PURE SCIENCE

(1) Anatomy; (2) astronomy; (3) bacteriology; (4) botany; (5) biological chemistry; (6) chemistry; (7) civil and sanitary engineering; (8) electrical engineering; (9) geodesy; (10) geology; (11) mathematics; (12) mechanical engineering; (13) mechanics and electro-mechanics; (14) metallurgy; (15) mineralogy; (16) mining; (17) pathology; (18) paleontology; (19) physics; (20) physiology; (21) zoölogy.

With the consent of the Dean, the major and one minor subject may be taken under one department. Both minor subjects may not be taken under one department without the consent of the Faculty.

5. Each student is given a registration-book, that he may keep his own record of courses attended. At the beginning and end of each course the professor in charge certifies the student's attendance by his signature. Before presenting himself for examination for any degree, the student shall submit his registration-book to the Dean in order that the Dean may satisfy himself that the required minimum number of courses has been attended.

6. Each candidate for the degree of Master of Arts is required to present an essay on some topic previously approved by the professor in charge of his major subject. The Faculty of Political Science requires this essay to be a paper read during the year before the Seminar of which the candidate is a member.

When the essay has been approved, the candidate is required to file

with the Registrar two legibly written or typewritten copies on firm, strong paper, eleven by eight-and-a-half inches in size with an inner margin of one-and-a-half inches. The title-page shall contain the words: "Submitted in partial fulfilment of the requirements for the Degree of Master of Arts, in the Faculty of ———, Columbia University."

7. Applications for examinations for the degree of Master of Arts must be filed with the Registrar by April 15 of the academic year in which the degree is desired and must be accompanied by two copies of the completed essay required for the degree.

Applications for the oral examination for the degree of Doctor of Philosophy must be filed with the Registrar at least three months before one of the three dates at which diplomas are issued (viz., October, February, and June) in order to secure examinations before that date.

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the major subject. When such dissertation has been approved, it shall be printed by the candidate, and thirty copies shall be delivered to the Registrar. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ———, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on the recommendation of the professor who has approved the topic selected for the dissertation, indorsed by the professors in charge of the major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty in charge of the major subject may require, an oral examination on all three subjects, and must defend the dissertation in the presence of that Faculty, or of so many of its members as may desire or as may be designated to attend.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examination of the candidate.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, nor even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department, provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches. The examinations in Latin, French, and German shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding the required first degree who are primarily registered in a professional school of Columbia University, or in an allied professional school, may be registered as candidates for the higher degrees in the Faculty of Political Science, the Faculty of Philosophy, or the Faculty of Pure Science. In such a case the candidate must take his major subject under one of these Faculties, and must conform to all its rules as regards examinations, essay, and dissertation; but he may offer, as the equivalent of the two minor subjects, such of his professional courses as may be approved for that purpose by the Dean and the Executive Committee of the University Council.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the



time he ceases to be in residence, nor for a longer period than five years from the time of his initial registration for a higher degree.

### Master of Laws

1. Any student who has satisfactorily completed 94 points including all prescribed work in Columbia College, or in some other college maintaining an equivalent curriculum (every such case of equivalency to be considered on its own merit), shall be entitled to be recommended for the degree of Master of Laws upon certificates from the Faculty of Law and the Faculty of Political Science that he has satisfactorily completed a four-years' course of study under said Faculties.

2. Every candidate for the degree of Master of Laws must elect from the subjects offered by said Faculties courses aggregating, in the four years, fifty-two hours per week, and must pass satisfactory examinations upon the subjects elected; provided that not more than thirty-four hours of work may be elected either in the field of private law, or in that of public law, social ethics, history, and economics.

3. Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University after pursuing the full course of study, shall be entitled, upon pursuing for an additional year a course of study of at least thirteen hours per week, under either or both of said Faculties, and passing satisfactory examinations therein, to receive the degree of Master of Laws; provided that no student shall receive the degree who has not studied and passed satisfactory examinations in comparative constitutional law, administrative law, Roman law, international law, and in the three courses offered on equity,<sup>1</sup> and who has not pursued here, or elsewhere, courses of instruction satisfactory to the Faculty of Political Science in history, social ethics, and economics.

4. Each Faculty shall determine the order in which the subjects offered by it shall be taken, and the maximum amount of work to be done therein during any one year.

5. Students from other universities, colleges, or law schools, who shall have satisfactorily completed a course of study equivalent to at least one term of thirteen hours per week in the subjects indicated in Section 2, after receiving a bachelor's degree, may be excused from the corresponding number of terms of the four-years' residence required at Columbia, provided that in no case shall any one receive the degree of Master of Laws who has not spent at least four years in the study of the said subject in some university, college, or law school; and the decision whether work at another institution shall be accepted as equivalent to work at Columbia shall rest, so far as the studies under the Faculty of Law are concerned, with the Faculty of Law, and, so far

<sup>1</sup> Under this provision students would be allowed, but not required, to take history of European law, conflicts of law, law of municipal corporations, and the law of taxation.



as the studies under the Faculty of Political Science are concerned, with the Faculty of Political Science. But neither Faculty shall admit a student from another university, college, or law school to examination for the degree of Master of Laws without a residence of at least one year in this University.

## COLUMBIA COLLEGE

### Officers of the Faculty

Professor VAN AMRINGE.....	<i>Dean and ex-officio Member of the University Council</i>
" MITCHELL, S. A.....	<i>Secretary</i>
" THOMAS.....(Term expires 1910)	<i>Elected delegates to Uni- versity Council</i>
" LORD.....(Term expires 1911)	

### Standing Committees

ON INSTRUCTION: Professors H. B. Mitchell, <i>chairman</i> , Kemp, Egbert, Thomas, Shotwell, Beard, Erskine
ON ADMISSIONS: Professors Jones, <i>chairman</i> , McCrea, Odell, Curtis
ON SCHOLARSHIPS: The Dean, <i>chairman</i> , Professors Fiske, Hervey
ON HONORS: Professors Young, <i>chairman</i> , Bogert, Seager

### The Faculty

President BUTLER	Professor <sup>3</sup> SEAGER (1910)
Professor VAN AMRINGE	" <sup>3</sup> WOODBRIDGE (1910)
" SELIGMAN (1911)	" <sup>1</sup> CALKINS (1909)
" <sup>2</sup> PECK (1910)	" <sup>3</sup> KEYSER (1911)
" PERRY (1909)	" MEYLAN (1911)
" DUNNING (1911)	" LOISEAUX (1912)
" <sup>3</sup> COHN (1909)	" HERVEY (1909)
" KEMP (1909)	" SHEPHERD (1910)
" FISKE (1911)	" SHOTWELL (1911)
" EGBERT (1909)	" <sup>1</sup> BOTSFORD (1910)
" THOMAS (1909)	" WOODWORTH (1910)
" LORD (1909)	" H. B. MITCHELL (1911)
" MCCREA (1911)	" JORDAN (1911)
" <sup>3</sup> YOUNG (1910)	" MCGREGOR (1911)
" FARRAND (1909)	" BEARD (1911)
" MACLAY (1910)	" CURTIS (1909)
" BOGERT (1911)	" S. A. MITCHELL (1909)
" ODELL (1909)	" DAVIS (1910)
" ERSKINE (1910)	" JONES (1910)

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year

<sup>3</sup> Absent on leave second half-year

## ADMISSION

## To the Freshman Class

(See page 171)

## Advanced Standing

Candidates for admission to advanced standing upon the basis of certificates from other colleges must fill out the appropriate application blank, to be obtained from the Secretary of the University, and file it with the Committee on Undergraduate Admissions at least one week before the first day of the September or January entrance examinations. Each candidate must also present, at that time, an official transcript of his academic record, together with a marked catalogue of the institution that he leaves.

Candidates for admission to the Freshman class offering for entrance more than the required 15 units receive credit for this extra work toward a degree, on a basis to be determined by the Committee on Undergraduate Admissions; but not more than 18 of the 124 points required for a degree may be made in this way.

## Special Courses

Special courses are offered to young men of good character, at least eighteen years of age, who wish without reference to any degree to make a serious study of any subject or group of subjects. Such men are designated "non-matriculated students," and are expected to fulfill the requirements for admission to the Freshman class (see page 171). Applications must be made, on blanks to be obtained from the Secretary of the University, at least one week before the entrance examinations begin.

Except for reasons of weight no one will be admitted as a special student, who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish to pursue merely elementary subjects, such as may be offered for admission, are not received as non-matriculated students. Such applicants are recommended to consult the *Announcement of Extension Courses*.

Applications from men of maturity who have been several years out of school or college, and have had a valuable educative experience in practical life, will be considered on their merits.

## Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than the end of this period, the Dean, on the basis of reports from the head of each

department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark C, B, or A, obtained at the end of the first half-year of residence, will be regarded as removing an entrance condition in any course of higher grade than the entrance requirement in that subject unless the condition was incurred in a part of the subject not directly involved in the work of the college course. Any condition not so removed must be satisfied by formal examination.

### Registration and Fees

(See page 38.)

### Scholarships

(See page. 414)

## THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on the plan to be described below, the student is recommended by the Faculty of Columbia College for the degree of Bachelor of Arts or Bachelor of Science. The time within which this curriculum may be completed varies with the capability and industry of the individual student. In most cases four years are spent in making the required number of points; students of ability and industry sometimes complete the course in less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; but no student may spend more than six years as a candidate for a degree.

The following rules must be observed. Exceptions under rules 2-6 may be made by the Dean on recommendation of the Committee on Instruction.

1. The requirement for graduation is 124 points, the term "point", signifying the satisfactory completion of work requiring attendance one hour a week for one half-year.

2. Prescribed subjects must be taken, so far as practicable, during the first two years; but a prescribed course may be postponed in favor of an elective course, particularly when the elective course is in continuation of a subject taken at entrance.

3. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year.

4. At least 9 points, exclusive of prescribed work, must be made under some one department before graduation.

5. Admission to courses depends strictly upon completion of the prerequisites as stated for each course separately. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the half-year in which that course is given.

Where no prerequisite is stated the course may be taken and counted for a degree by any student of the College.

6. Graduate courses numbered between 100 and 200 are open to students who have completed 64 points in college residence, including all prescribed work, except Philosophy A and two half-year courses in natural science other than Physics A or Chemistry A. But students having less than 94 points may not take more than one such course, and students having more than 94 points may not elect more than two such courses, without special permission.

7. No student may take more than four hours' work (not including laboratory work) on the same day, or more than nine hours' work per week in any one department.

8. No one-hour course will be allowed unless taken in connection with or as a supplement to a cognate course.

9. To be recommended for a degree, a student must have made at least 84 points in actual college residence and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in individual cases; but a Statute of the University forbids the granting of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years).

### Prescribed Courses

Unless the equivalents have been offered for admission, the following courses are prescribed:

	COUNTING IN POINTS
English A and B .....	10
French A and B, or German A and B .....	12
History A <sup>1</sup> .....	6
Latin A or Greek 3-4 (required only of candidates for A.B. degree) .....	6
Mathematics A .....	6
Philosophy A .....	6
Physical Education A and B .....	4
Chemistry A or Physics A .....	8
Botany, Chemistry, Geology, Physics, Psychology (Experimental), or Zoölogy: two half-year courses (required of candidates for A.B. degree) .....	6

<sup>1</sup> Students who pass the entrance examinations in ancient, mediæval, and modern history will be allowed to take a special examination on the same periods based on the requirements of History A1-A2. If they satisfy this test, they will be permitted to substitute for History A1-A2, as the prescribed work, any course in history numbered less than 100, provided that the total number of points of credit attached to the course be not less than six.



Anthropology, Astronomy, Botany, Chemistry, Geology (including Mineralogy), Mathematics, Mechanics, Physics, Psychology (Experimental), or Zoölogy: four half-year courses in one or more of these subjects, in all (required only of candidates for B.S. degree)..... 12

### Options in the Professional Schools

The following provisions apply alike to all candidates for a degree:

1. When 72 points (including all prescribed work) have been made in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College may exercise one of the following options:

(a) He may take the studies of the first year of the Schools of Mines, Engineering, and Chemistry provided the courses previously taken by him fulfil the requirements for admission to those schools; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

No course counted toward the professional degree however, with the exception of Mathematics 3-4 and Physical Education A and B, may be included in the 72 points mentioned above.

(b) He may take the studies of the First Year of the College of Physicians and Surgeons, provided he has previously taken in college (unless the equivalent has been offered for admission) at least one course in Chemistry, one in Physics, and one in Zoölogy; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.

(c) He may take the studies of the First Year in the School of Fine Arts, provided the courses previously taken by him fulfil the requirements for admission to that school; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

No course counted toward the professional degree, however, with the exception of Mathematics 3-4, may be included in the 72 points mentioned above.

2. When 94 points (including all prescribed work) have been made, and of these not less than 64 in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College may exercise one of the following options:

(a) He may take the studies of the First Year of the School of Law; and may receive the degree of A.B. or B.S. upon the satisfactory completion of one year's work in this professional course.

(b) He may become a candidate for a diploma in teaching offered by the Faculty of Teachers College, in which case he must register therefor in Teachers College, pay his tuition fees to the Bursar of

Teachers College and become subject to the educational control of its faculty. Upon the satisfactory completion of one year's work in this professional course he will receive the degree of A.B. or B.S.

For particulars as to these several options the announcement of the proper professional school should be consulted.

A student who exercises any one of the options here mentioned continues to be a student of Columbia College and subject to the authority of its Dean, as long as he remains a candidate for the College degree.

### Additional Credit for High Standing

At the end of every half-year additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year, other than Physical Education A and B, in which he must not have fallen below the grade of C.

Any student who is credited with 94 points (including all prescribed work) may receive one point of extra credit for each of two courses chosen from among those offered by any single department as counting toward a higher degree (see page 184), provided that he file a notice of his intention in the office of the Registrar at the beginning of the half-year and pay the proper fee, and that the quality of his work in such course be tested by an essay for which a mark of A or B is given, in addition to the stated examinations. No student may receive more than two points of extra credit in one year under the terms of this rule.

### Choice of Electives

For recommendations in regard to the choice of elective studies the reader is referred to the *Announcement of Columbia College* for 1909-10.

### Examinations in Course

Two examinations are held every year in all courses, one beginning on the last Wednesday but one of the first half-year (January 26, 1910), and the other on the Monday of the second week preceding Commencement (May 16, 1910). These, and these only, are the *stated examinations*.

*Delinquent* examinations are held within the two weeks immediately preceding the opening of the College in the autumn; and, in addition, by special permission of the Dean, on the recommendation of the Committee on Instruction, during the first week in May. They are open to:

- (a) Students who have received F in an *elective* course, but such students will in no case receive more than D in such a course. (Students who have received F in a *prescribed* course must repeat the course.)
- (b) Students who have been absent, for imperative reasons, from the final examination in a prescribed or elective course. Such students must petition for permission to take the examination. If they are allowed to take the examination, they may receive a grade for the course in accordance with their merits.

For the regulations as to the taking of special examinations, which include delinquent examinations, see the separately printed *Announcement of Columbia College* for 1909-10.

### Grades and Credit

A student who receives a mark of F in any prescribed course must repeat that course. In any half-year not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a degree. Of several courses in which he is marked D he may choose the one to be so counted. All petitions for changes in, or additions to, a student's record must be made within four months of the time at which the entry was made or should have been made. Within three weeks after the close of an examination period a final report of standing for the half-year will be sent to the student, to his parent or guardian, and to his faculty adviser. The report will also indicate the number of points which the student has obtained to date and his deficiencies, if any, in entrance requirements and in prescribed courses (when such courses have been taken and not passed).

### Advice to Students

Each student is on entrance assigned to an officer of instruction, who continues as his adviser throughout his college course or so long as his studies are mainly collegiate in character. It is the duty of the adviser to pass upon the choice of studies of each student under his charge, to keep himself informed as to the standing of all such students in their college work and as to the extent and character of their participation in extra-curricular activities, and to advise students on all these and other matters that concern them as students. Each student will meet his adviser at least twice each month during the academic year.

### HONORS

Honors are of three kinds: departmental, divisional, and general.

Departmental honors will be granted in any year in any department for high excellence, indicated by the grade A obtained in courses

aggregating at least twelve points, and by the satisfactory performance of additional assigned work. Students must announce their candidacy to the head of the department not later than April 1 of the year of candidacy. Departmental

Except by special decision of the Committee on Honors, no student falling below C in any course taken by him during the year of candidacy will receive honors.

A student who has won honors in any department successively during the last three years of his college residence will be granted at graduation highest final honors in that department.

On completion of the number of points required for a degree students whose curriculum has been under the direction of some one division may be recommended to the Faculty by that division for final honors in such subjects as the division may specify.

General honors will be granted at the end of every academic year to all students who during that year have obtained grade A in the majority of the courses taken by them, provided they have not fallen below grade B in any course in that year. General

Highest final general honors will be granted at graduation to all students who have obtained grade A in the majority of the courses taken by them during the last three years of college residence, provided they have not fallen below grade B in any course in those years. See page 433.

## REGISTER OF STUDENTS

### Columbia College

#### SENIORS—CLASS OF 1910

NOTE.—Only students actually in residence at the date of publication are included in this Register. Matriculated students are classified according to the regulations printed in the College Announcement for 1909-10, page 21. Under these regulations some students who will graduate in 1910 and 1911, respectively, are enrolled in the lower classes.

ADLMAN, SIDNEY.....	Paterson, N. J.
ALEXANDER, THOMAS.....	Kirksville, Mo.
ANGELL, NORMAN HOAG.....	Adrian, Mich.
ASCHNER, PAUL WILLIAM.....	New York City
BARNUM, RAY FOSTER.....	White Plains, N. Y.
BAROFF, ABRAHAM.....	New York City
BEARD, JAMES T., JR.....	Scranton, Pa.
BERINSTEIN, BENJAMIN.....	New York City
BISHOP, F. WARNER.....	New York City
BLOCK, MAX.....	New York City
BOAS, ERNST PHILIP.....	Grantwood, N. J.
BORN, SIDNEY.....	New York City
BRENNER, MORTIMER.....	New York City
BRITTAIN, JOHN B.....	Yonkers, N. Y.
BROWN, RAYMOND SHILAND.....	Newark, N. J.
BUCKISCH, WALTER GERARD.....	New York City
CASTELL, GEORGE OLIVER.....	New York City
CELLER, EMANUEL.....	New York City
COHEN, JOSEPH HERTZ.....	New York City
COOPER, FREDERICK STURGES.....	Mount Vernon, Ohio
CUTLER, CONDUCT WALKER, JR.....	New York City
DAVIDOW, LEONARD H.....	New York City
DAVIMOS, HARRY.....	Harrison, N. J.
DOREMUS, MORTON BRINCKERHOFF.....	Mount Vernon, N. Y.
DUNCAN, MCKEE.....	Pelham Manor, N. Y.
DYE, EARL VINCENT.....	Zanesville, Ohio
ECCLES, AUGUST K.....	New York City
ELSASSER, FREDERICK RALPH.....	New York City
EPSTEIN, ALBERT.....	New York City
EPSTEIN, BERNARD.....	New York City
ERSKINE, ROBERT SCARBOROUGH.....	New York City
FERST, LOUIS SAMUEL.....	New York City
FISK, DANIEL MOORE.....	New York City
FLOWER, HERBERT JAMES.....	Passaic, N. J.
GOLDBERG, GEORGE.....	New York City
GOODMAN, SYDNEY LION.....	New York City
GROSSBAUM, LOUIS.....	New York City
GROSZMANN, WALDEMAR HEINRICH.....	Plainfield, N. J.
HEALY, THOMAS FRANCIS.....	New York City



HEINS, WARREN H., Ph.B.	Olivia, Minn.
HINMAN, EDWARD, JR.	New York City
HOCHBERGER, OSCAR	New York City
JONES, JOHN DOTHAR	New York City
KIENDL, THEODORE, JR.	New York City
KIRBY, RUSSELL THORP	New York City
KLEIN, LEONARD K.	New York City
KRAFT, PHILIP, JR.	New York City
KRINSKY, MAX LOUIS	New York City
LAWRENCE, RAYMOND	Skaneateles, N. Y.
LEARY, DANIEL, JR.	New York City
LESSER, MYRON LAWRENCE	New York City
LYNCH, JOHN JOSEPH, B.L.	New York City
McCONNELL, LUTHER GRAHAM	Marshalltown, Ia.
MELLEN, HENRY LUTHER	Middlebury, Vt.
MOSES, EUGENE F.	New York City
MULLEN, J. H.	Rensselaer, N. Y.
MULLER, HERMANN JOSEPH	New York City
MURRAY, JOHN ALEXANDER, JR.	New York City
NAUHEIM, MELVILLE	New York City
NOBLE, RANSOM	New York City
OSTERHOUT, EDGAR HOWARD	Freeport, N. Y.
PADDOCK, LINCOLN	New York City
PEARSON, WILLIAM DeFOREST	Waterloo, N. Y.
PPEIFFER, EDWARD HEYMAN	New York City
RAMSDELL, CHARLES HOMER	New York City
RINCK, WALTER	Newark, N. J.
ROBINSON, LOUIS HARRY	New York City
ROCKWOOD, N. OTIS	Montclair, N. J.
ROSENTHAL, GEORGE JACOB	New York City
SCHLOSSMAN, WILLIAM MAYER	New York City
SCHULTZ, HAROLD SEELY	Florida, N. Y.
SCHUR, ROBERT PAUL	New York City
SEXTON, ANDREW J. GRAHAM	Orange, N. J.
SHAW, HENRY BOOTHNOYD	Buffalo, N. Y.
SMITH, EDWARD PHILIP	Buffalo, N. Y.
SMITH, GEDDES	Orange, N. J.
STERNBERG, EDWARD	New York City
STERRITT, JAMES E.	Ossining, N. Y.
STORY, HAROLD VAN VREDENBURGH	New York City
TANNENBAUM, SAMUEL WM.	New York City
THORNTON, THOMAS FRANCIS	New York City
TODD, HAROLD CAMMEYER	Fanwood, N. J.
TOWNSEND, DALLAS SELWYN	Raeftord, N. C.
VAN KLEECK, EUGEN	New York City
WATSON, MORGAN D.	New York City
WERNER, PAUL CHARLES	New York City
WILDMAN, HENRY VALENTINE, JR.	New York City
WILTON DE, ROLLO LINSMORE	Hornell, N. Y.
YOKEL, ARTHUR	New York City
ZIPRIS, VIRGINIUS VICTOR	New York City

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## JUNIORS—CLASS OF 1911

ABRAHAMS, ALEXANDER ISIDORE	New York City
ALTENBURG, EDGAR	New York City
BAKER, HENRY D.	New York City

BAKER, JAMES ALPHEUS, JR.....	New York City
BENDER, SIDNEY.....	New York City
BERGMAN, AUGUSTUS HENRY.....	New York City
BERKOWITZ, HENRY.....	New York City
BLOCH, HENRY.....	New York City
BLUMBORG, I. B.....	New York City
BRANDT, ROBERT CARL.....	New York City
BRAY, LOUIS.....	New York City
BRUNO, ALEXANDER.....	New York City
COVELLO, LEONARD.....	New York City
CROUZE, ALBERT PIERRE.....	Bayside, L. I.
DAMROSCH, FRANK, JR.....	New York City
DAVIDOWITZ, HARRY S.....	New York City
DEGAVRE, MARTIN LOUIS.....	Newark, N. J.
DORR, WILLIAM CASPAR.....	New York City
EGBERT, GEORGE PENNINGTON.....	New York City
EICHMANN, MEYER.....	Hoboken, N. J.
EPSTEIN, LOUIS.....	Chicago, Ill.
FELBEL, FRANK JULIUS.....	New York City
FERREIRA, AVELINO VICENTE.....	Hackensack, N. J.
FITZGERALD, AARON BOYLAN.....	Hilton, N. J.
FOX, DIXON RYAN.....	Potsdam, N. Y.
FRANK, MAX.....	New York City
FRIEDMAN, ISRAEL.....	New York City
GATCH, NELSON B.....	St. Louis, Mo.
GILDERSLEEVE, NELSON BURROUGHS.....	New York City
GINSBERG, ISMAR.....	New York City
GOLDSTEIN, HERBERT SAMUEL.....	New York City
GREENEBAUM, HAROLD M.....	New York City
GREENEBAUM, MILTON.....	New York City
GRIFFITH, JONES GREENE.....	Mayfield, Ky.
GRILL, ABRAHAM MAURICE.....	New York City
GULLIVER, HAROLD G.....	Portland, Me.
HABER, ISADOR.....	West Hoboken, N. J.
HARTUNG, ERNEST WILLIAM.....	New York City
HASTINGS, WILLIAM HENRY, JR.....	New York City
HAYS, LELAND.....	New York City
HERRING, HUBERT CLINTON, JR.....	Scarsdale, N. Y.
HEYDECKER, WAYNE DARLINGTON.....	Mt. Vernon, N. Y.
HILL, DUDLEIGH.....	New York City
HUANG, CHEN SHENG.....	Tientsin, China
JOERG, ALFRED NORTON.....	New York City
JOHNSTON, HENRY THEODORE.....	Ispeming, Mich.
KETCHUM, ROLAND STUART.....	New York City
KLINGENSTEIN, JOSEPH.....	New York City
KLUGESCHIED, RICHARD CHARLES.....	New York City
KOENIG, LEO.....	New York City
KORN, SAMUEL SEYMOUR.....	New York City
KUNSTLER, MONROE B.....	New York City
LAWRENCE, RAYMOND.....	Skaneateles, N. Y.
LOBECK, ARMIN K.....	Haworth, N. J.
MACKINTOSH, JAMES HANDFORTH.....	New York City
MAGUIRE, CEDRIC FERRIS.....	New York City
MAHON, ROBERT V.....	New York City
MARCHMONT, JOHN HAMILTON.....	Alma, Mich.
MARGOWITZ, DANIEL.....	New York City

MARSHALL, GEORGE MILROY.....	New York City
MEYER, ADOLPH HENRY.....	New York City
MICHTOM, JOSEPH STEWART.....	New York City
MILLER, ISIDORE.....	New York City
MORRIS, ALEXANDER BECHT.....	New York City
MURRAY, WILLIAM BUCKLEY, JR.....	New York City
NORTON, ROBERT CLINTON.....	New York City
PADDOCK, ROYCE.....	New York City
PICARD, MAURICE.....	New York City
PRICE, ARTHUR LEO.....	New York City
REMSEN, WILLIAM.....	New York City
RENWICK, WILLIAM WALTER.....	Marengo, Ill.
RIEGEL, GUY HUGHES.....	Lebanon, Pa.
ROCHE, ERNEST SPENCER.....	New York City
ROCHE, JOHN PIERRE.....	Chicago, Ill.
ROSS, WILLIAM NEELY.....	Troy, N. Y.
RUNGE, OTTO E.....	New York City
SCHECHTER, DAVID G.....	New York City
SCHLESINGER, GABRIEL.....	New York City
SCHMIDT, ARNOLD M.....	New York City
SCOTT, GEORGE W. A.....	New York City
SHIRLEY, AMOS REGINALD.....	New York City
SPENCER, FREDERICK BURR.....	New York City
STEEL, JAMES A.....	Las Cruces, New Mex.
STEPHENS, RICHMOND.....	New York City
STEWART, RALPH RANGLES.....	New York City
STICKLES, LLOYD.....	Newark, N. J.
STONE, EDWIN WADSWORTH.....	New York City
SWANTON, RICHARD LEO.....	New York City
TOOKER, HAROLD CLIFTON.....	Larchmont, N. Y.
VAN INGEN, BERNARD JOSEPH.....	New York City
VAN TINE, HAROLD.....	New York City
WINDERMAN, SAMUEL D.....	New York City
ZIEGLER, WINFRED HAMLIN.....	Detroit, Mich.

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## SOPHOMORES—CLASS OF 1912

AGÜERO DE, MIGUEL EDUARDO, JR.....	New York City
AHEARN, WILLIAM DANIEL.....	New York City
ALEXANDER, ROBERT J.....	New York City
ARMSTRONG, FRANCIS TUTTLE.....	New York City
ATKINSON, GEOFFROY.....	New York City
BAILEY, WILLIAM BANCKER.....	New York City
BAKER, WALTER E.....	New York City
BARAGWANATH, JOHN GORDON.....	New York City
BARKER, HENRY MORGAN.....	Newark, N. J.
BARRETT, G. HINMAN.....	New York City
BARRETT, OLIVER COOLIDGE.....	Ware, Mass.
BELINKOFF, SAMUEL.....	Bayonne, N. J.
BELL, WILEY A., JR.....	Leonia, N. J.
BISHOP, SHELTON HALE.....	New York City
BLABER, JOSEPH THOMAS.....	New York City
BOAS, PERCY EMANUEL.....	New York City
BOSCH, ERNEST.....	New York City
BOWERS, FREDERIC THOMAS.....	New York City
BRAMWELL, GEORGE MOFFAT.....	New York City
BRENNER, ARTHUR BEARNS.....	New York City

BRILL, ISIDOR C.	Portland, Ore.
BRODERICK, EDWARD VINCENT.	Yonkers, N. Y.
BROOKS, ARTHUR E.	New York City
BULLWINKEL, EDWARD JOHN	New York City
CALAHAN, HAROLD AUGUSTIN	New York City
CARUSO, CARMINE WILLIAM	Newark, N. J.
CHILDS, STERRY HUNT.	New York City
CLARK, CLARENCE MILTON	New York City
CLYNE, HERBERT HOMER.	New York City
COFFIN, LEWIS A., JR.	New York City
CORTON, WILLIAM ANDREW	New York City
CULMAN, FRITZ	New York City
DARLINGTON, HENRY VANE BEARNS.	Harrisburg, Pa.
DE PEW, PIERRE HOWELL	Nyack, N. Y.
DEVLIN, FRANK B.	Westchester, N. Y.
DOWNING, GEORGE S.	Albany, N. Y.
DWYER, GEOFFREY J.	New York City
EBELING, WILLIAM BRUNO	New York City
EIMER, CARL BERNARD.	New York City
ELSASSER, HENRY WOLFGANG	New York City
FAAS, CHARLES THORNE	New York City
FAIRBAIRN, ROBERT LE FEVRE	New York City
FERRARA, JOSEPH	Red Bank, N. J.
FINLAYSON, FRANK LOTHROP	New York City
FISHER, EDWARD EUGENE	Aurora, Ill.
FLEISCHMAN, LEON S.	New York City
FLOWER, ALFRED RUSSELL	Passaic, N. J.
FORCE, JONATHAN, JR.	Livingston, N. J.
FORSTER, WILLIAM M.	Yonkers, N. Y.
FRANK, LAWRENCE KELSO	New York City
FREED, SAMUEL ISRAEL	Toledo, Ohio
FRERICHS, ERNEST VIVIAN	New York City
FURSTENWALDE, HENRY CURT	New York City
GALVIN, W. AUSTIN	New York City
GERSTLE, HENRY S.	New York City
GIBSON, LEON WELLS	East Orange, N. J.
GIBSON, VAN RENSSELAER.	Yonkers, N. Y.
GIEGERICH, ARTHUR NICHOLAS	New York City
GLUCK, EDWIN LAWRENCE	New York City
GRAY, WILLIAM ALEXANDER	New York City
GRISCOM, LUDLOW	New York City
HEARD, WALTER SCOTT	New Orleans, La.
HEDGES, JAMES SYLVESTER	Altenhurst, N. J.
HENDERSON, HAROLD GOULD, JR.	Hunter, N. Y.
HENLE, JAMES HENRY	New York City
HILL, JOHN WARREN	New York City
HILL, LESTER S.	Cleveland, Ohio
HYMAN, JOSEPH C.	New York City
ISELL, ORRIN CASTLE	New York City
JACKSON, SAMUEL LIPSTADT	New York City
JACOBSON, BENJAMIN	New York City
KEMP, JAMES TAYLOR	New York City
KETCHUM, F. LeGRAND	New York City
KINNEY, WARREN	Butler, N. J.
KLEIN, LEOPOLD	New York City
KOENIG, EGMONT LOUIS FRANCIS	New York City

KOPELOFF, NICHOLAS.....	New York City
KUHN, SAMUEL OPPENHEIM.....	New York City
KUNZMAN, ISIDOR.....	Plainfield, N. J.
LAPOLLA, GARIBALDI MARTO.....	New York City
LASHER, DUNCAN MAC MILLAN.....	New York City
LEE, W. MURRAY.....	New York City
LENT, JOHN ROSSITER.....	New York City
LEVINE, MAURICE.....	New York City
LEVINSON, SAMUEL JOSHUA.....	New York City
LEVY, JOSEPH.....	New York City
LEVY, LOUIS M.....	New York City
LEWIS, LEICESTER CROSBY.....	New York City
LIEBLER, HAROLD BAXTER.....	Riverside, Conn.
LIPARI, ANGELO.....	New York City
LLOYD, LLEWELLYN.....	New York City
LOBSENZ, HARRY LEON.....	New York City
LUHMAN, CHESTER.....	New Rochelle, N. Y.
LUNN, ROBERT, JR.....	Jersey City, N. J.
MACCOLL, ROBERT JOHN.....	New York City
MACKENZIE, EDWARD HEMOND.....	Glen Sprey, N. Y.
MACKEY, RICHARD JOSEPH.....	Jersey City, N. J.
MACMAHON, ARTHUR W.....	Lyndhurst, N. J.
MARCUS, BERNARD.....	New York City
MARSH, HARRY WIDDICOMBE.....	Grand Rapids, Mich.
MARTIN, ALDEN KARL.....	Reno, Nevada
MAURER, GEORGE LANE.....	Yonkers, N. Y.
MAURICE, STEWART.....	Mamaroneck, N. Y.
MAYER, MAX.....	New York City
MAYNARD, JULIAN HILLCARY.....	Baltimore, Md.
MEI, HUA-CHUEN.....	New York City
MEISEL, CHARLES J. W.....	New York City
MINSKY, HERBERT.....	New York City
MOITRIER, WILLIAM, JR.....	New York City
MOORE, ALEXANDER PARKS.....	New York City
MOSES, ALFRED STANTON.....	Southport, Maine
MULLEN, JOHN A.....	New York City
NORTHROP, JOHN HOWARD.....	Yonkers, N. Y.
NORTON, KENNETH BERKLEY.....	New York City
O'CONNELL, EUGENE ROSSMORE.....	New York City
O'CONNELL, JOHN JAMES.....	New York City
OSBORNE, EARL WILLIAM.....	New York City
O'SULLIVAN, THOMAS FRANCIS.....	New York City
PADDOCK, EUGENE H., JR.....	New York City
PASCARELLA, FRANK.....	Emerson, N. J.
PATON, THOMAS BUGARD, JR.....	New York City
PAYNTER, RICHARD HENRY, 3RD.....	New York City
PETERS, ANDREW, 3RD.....	New York City
POLHEMUS, GEORGE WEEKS.....	Washington, D. C.
PORTER, FITZ JOHN.....	New York City
PROX, CLAUS CARL HERRMANN.....	New York City
PULLEYN, JOHN WILLIAM.....	New York City
RADE, HENRY S.....	New York City
ROGERS, HARRY WARREN.....	Matteawan, N. Y.
ROGON, CHARLES.....	New York City
ROSE, ALBERT ANSON.....	Syracuse, N. Y.
ROTHWELL, VINCENT H.....	New York City



RUBINO, GABRIEL.....	New York City
SCHMELZEL, CLARENCE.....	New York City
SCHOLZ, FREDERICK WILLIAM.....	New York City
SCHWARTZ, EDWARD EDWIN.....	New York City
SHEARS, LAMBERT ARMOUR.....	New York City
SHREWSBURY, WILLIAM ERNEST.....	New York City
SIFF, ALBERT LEON.....	New York City
SLOAN, WILLIAM SIMPSON.....	New York City
SLUTZKY, HENRY.....	New York City
SMALE, WILLIAM PHILIP, JR.....	New York City
SMALLHEISER, ALBERT LEE.....	New York City
SMITH, ALLAN HAMILTON.....	Kingston, N. Y.
SMITH, AUGUSTUS CARLL, JR.....	Babylon, N. Y.
SNEVILY, ROBERT ST. CLAIR.....	New York City
SPRINGER, ALLAN PAUL.....	New, York City
SPRINGER, PINCUS MILTON.....	New York City
STEARNS, WILBUR W.....	Yonkers, N. Y.
STEPHENS, STEPHEN DOVER.....	New York City
STOREY, JOHN ANDREW.....	Indianola, Ia.
STRANG, BENJAMIN BERGEN.....	New York City
STURTEVANT, ALFRED HENRY, JR.....	Kushla, Ala
SWAZEY, EDWARD SCOTT.....	San Antonio, Texas
THURLOW, LEWIS KELMOND.....	New York City
TISHMAN, LOUIS.....	New York City
TOGLIA, VITO GIOVANNI.....	New Rochelle, N. Y.
TRIMBLE, RUFUS JAMES.....	New York City
WARDIN, HARRY H.....	Topeka, Kansas
WARREN, GEORGE HENRY.....	New York City
WATERBURY, CHARLES HAROLD.....	Mamaroneck, N. Y.
WEBBER, WILLIAM THOMAS.....	New York City
WEEKS, HUGH ARNOLDIA.....	New York City
WEEKS, WEBB W.....	Corry, Pa.
WEINBERGER, ISIDORE.....	New York City
WEIS, WALTER MOSES.....	New York City
WHITLOCK, BACHE McEVERS.....	New York City
WOODWELL, CAROLUS.....	Washington, D. C.
YATES, MILES M. LOWELL.....	Ilion, N. Y.
YOUNG, RALPH HOWARD.....	Newport, R. I.
ZIGROSSER, CARL D.....	Newark, N. J.
ZOLLER, HAROLD PINDA.....	New York City

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## FRESHMEN—CLASS OF 1913

ADELSTEIN, MICHAEL.....	New York City
AHEARN, THOMAS J., JR.....	New York City
ALEXANDER, HOWARD ROSS.....	New York City
AVERY, WALTER.....	New York City
AXMAN, LAURENCE H.....	New York City
BAAR EMIL.....	New York City
BANTON, WILLIAM LEWIS.....	New York City
BALL, DAVID SPENCER.....	New York City
BANGS, FRANCIS NATHAN.....	New York City
BARR, SIMON.....	New York City
BECHTEL, GEORGE MILNE.....	Trenton, N. J.
BENNETT, ROSS VERNON.....	New York City
BERK, WILLIAM LEONARD.....	New York City
BIEBER, PAUL DAVID.....	New York City

BITTERMAN, ALBERT.....	Yonkers, N. Y.
BOKSHITSKY, MITCHELL.....	New York City
BOTTER, HARRY.....	New York City
BOURNE, RANDOLPH S.....	Bloomfield, N. J.
BRAUS, LEON.....	New York City
BRIDGES, CALVIN BLACKMAN.....	Plattsburgh, N. Y.
BROCK, ARNOLD.....	New York City
BROCK, RAYMOND ELLIOTT.....	St. Louis, Mo.
BROWN, FRANK.....	New York City
BURSTEIN, ABRAHAM.....	Cleveland, Ohio
BUTTERWORTH, GEORGE FORREST, JR.....	New York City
CALDWELL, GEORGE DANFORTH.....	Louisville, Ky.
CALLAGHAN, FOSTER.....	Cincinnati, Ohio
CAMPBELL, WILLIAM MONTGOMERY.....	New York City
CARROLL, JOSEPH WILLIAM.....	New York City
CHAPIN, WARREN BLANCHARD.....	New York City
CHAPMAN, ROBERT FLETCHER.....	New York City
CLEVELAND, CHARLES LUTHER.....	Ridgewood, N. J.
COATES, ARCHIBALD A.....	New York City
COHEN, SAMUEL MEIR.....	New York City
COLBY, ELBRIDGE.....	New York City
COLE, CHARLES A.....	Montclair, N. J.
COLE, HENRY DIX.....	New York City
CONWAY, JOSEPH A.....	New York City
CORWIN, HILARY EARL.....	Huntington, L. I.
COX, WESLEY CINTRA.....	New York City
DANFORTH, CHARLES RYLE.....	New York City
DAVIDSON, LOUIS STUART.....	New York City
DAVIS, ANSLEY GEORGE.....	New York City
DEDERICK, WILLIAM MILTON.....	Elizabeth, N. J.
DICKIE, DOUGLAS PERRY.....	New York City
DINGMAN, NORMAN MCLEOD.....	New York City
DINKELSPIEL, LEONARD.....	New York City
DONALDSON, LINDSAY MONTGOMERY.....	New York City
DOWNES, ELLIOTT.....	New York City
DREISBACH, PAUL WILLIAM.....	Weehawken, N. J.
DWIGHT, BENJAMIN H.....	Deviant, Okla.
EDMUNDS, FRANCIS DUDLEY.....	New York City
ELDRIDGE, SEBA.....	New York City
ELLENWOOD, J. LEE.....	Dannemora, N. Y.
ENGEL, GABRIEL.....	New York City
ERNST, MONTROSE.....	New York City
FAIRBAIRN, RUSSELL ARNOLD.....	New York City
FEINSOD, ELIAS.....	New York City
FIKE, TRACY RICHARD VANDERBILT.....	New York City
FORD, RUSSELL HEWS.....	White Plains, N. Y.
FOWLER, ROBERT L., JR.....	New York City
FRASER, LEON.....	New York City
GARABEDIAN, DER, MICHAEL.....	Yonkers, N. Y.
GEER, FRANCIS HUNT.....	New York City
GERSTEIN, SAMUEL RALPH.....	New York City
GINNEL, WILLIAM SHREVE, JR.....	Garden City, N. Y.
GLADSTONE, JULES.....	New York City
GLOVER, CALVIN S.....	New York City
GOLDMAN, PAUL.....	New York City
GOODSELL, JOHN SLEIGHT.....	New York City
GOTTESMAN, MICHAEL.....	New York City

GRASSI, WALDEMAR HOWARD.....	New York City
GREENBERG, HYMAN.....	New York City
GRETSCH, HERBERT.....	New York City
GRIMM, ALFRED JOHN.....	New York City
GRISCOM, ACTON.....	New York City
GRUNOW, WILLIAM RONALD.....	Bridgeport
HAINES, DALLAS WAY.....	New York City
HALENBECK, ARTUHR ELMORE.....	Hoboken, N. J.
HAMBIDGE, GORE JAY.....	New York City
HANDLER, NATHANIEL EDWARD.....	New York City
HARRIS, EMANUEL KNIGHT.....	New York City
HARRIS, FRANK TOMPKINS.....	New York City
HARRIS, RALPH S.....	Birmingham, Ala.
HARTIG, SIEGFRIED.....	New York City
HENDRICK, PHILIP EDWARD, JR.....	Norwich, Conn.
HERRLICH, WILLIAM L.....	New York City
HEWETSON, JOSEPH HENRY.....	Bayonne, N. J.
HICKS, CLARENCE JOHN, JR.....	White Plains, N. Y.
HILDENBRAND, JOHN, JR.....	New York City
HOLZMAN, MARTIN.....	New York City
HOUGHTON, SEYMOUR PHILLIPS.....	New York City
HUDSON, CHARLES ALAN.....	New York City
LAASON, ALFRED HERBERT.....	New York City
IMERBLUM, ALEXANDER.....	Port Chester, N. Y.
INGALLS, FREDERICK WILSON.....	New York City
INGALLS, ROSCOE CUNNINGHAM.....	New York City
JACQUES, HENRI C.....	New York City
JÄGENDORF, MAURICE ARTHUR.....	New York City
JAQUES, SANDFORD.....	New York City
KADISON, MILTON.....	New York City
KAMAIKY, DAVID E.....	New York City
KAPLAN, JULIUS.....	New York City
KAPLAN, MICHAEL.....	New York City
KEMPVAN-EE, JOHN CHARLES, JR.....	New York City
KETELS, LUTHER HENRY.....	Newark, N. J.
KING, EMANUEL DAVID.....	New York City
KING, ROBERT M.....	New York City
KINNEY, MORRIS.....	Butler, N. J.
KLEIN, EUGENE.....	New York City
KLOSTER, WALTER JOSEPH.....	New York City
KNOPF, ALFRED A.....	New York City
KROEHLE, FREDERICK WILLIAM.....	New York City
LA DOW, STANLEY.....	New York City
LAMBERT, WILLIAM.....	New York City
LAURIER, CARL.....	Niagara Falls, N. Y.
LAWTON, ERNEST BEATTIE.....	Scranton, Pa.
LEE, YOUNG WEI.....	Canton, China
LESZYNSKY, LEONARD J.....	New York City
LEVY, JEROME.....	New York City
LIEBERMAN, MILTON.....	New York City
LIPP, JOSEPH.....	New York City
LOWENSTEIN, ABRAHAM GABRIEL.....	New York City
McCLATCHY, CARLOS.....	Sacramento, Cal.
McCORMICK, JOHN KERNAN.....	New York City
McELVARE, GEORGE G.....	New York City
MacROSSIE, WILLIAM.....	New York City

MALLORY, VIRGIL S.	New Durham, N. J.
MANN, JACOB	New York City
MANNING, CLARENCE AUGUSTUS	New York City
MARCUS, SIDNEY	Buffalo, N. Y.
MARION, PIERCE	Bayonne, N. J.
MATTHEWS, HAROLD H.	New York City
MEYER, CHARLES HARRISON	New York City
MILLER, CHRISTOPHER BLACKBURN	New York City
MILLER, HAROLD WHARTON	West New Brighton, N. Y.
MINOR, JAMES HENRY	Plainville, Conn.
MOHR, WALTER R.	New York City
MOON, PARKER L.	Yonkers, N. Y.
MOORE, CHARLES A.	Binghamton, N. Y.
MULWITZ, JACOB	Port Chester, N. Y.
NIGRIN, JAROSLAV VICTOR	New York City
NORDLINGER, HENRY HAROLD	New York City
NYE, BERTHOLD H.	Yonkers, N. Y.
O'BRIEN, JOHN	New York City
OFFNER, RICHARD	New York City
PARDEE, IRVING HOTCHKISS	New York City
PARSONS, J. OTIS	Gouverneur, N. Y.
PERLOWITZ, CHARLES	New York City
PINCUS, SOL	New York City
PITTARO, JOHN MICHAEL	New York City
PRICE, JOSEPH	New York City
PYNE, WARNER	New York City
RENWICK, HENRY BREVOORT	New York City
REUTTER, ROBERT HENRY	New York City
REYNOLDS, RUSSELL SEAMAN	Greenwich, Conn.
ROBBINS, JAMES	Babylon, N. Y.
ROOS, WILLIAM F.	Hoboken, N. J.
ROOT, WILLIAM RAYMOND	New York City
ROSEFF, ALEXANDER	Mamaroneck, N. Y.
ROSENTHAL WILLIAM JOSEPH	New York City
ROSENZWEIG, MORRIS	New York City
ROTHENBERG, BENJAMIN	New York City
ROTHWELL, AUSTIN SHERWOOD	New York City
RUSSELL, EDWARD WATSON	Chicago, Ill.
SACHS, SAMUEL	New York City
SAGE, EDWARD WOOLSTON	New York City
SANDERS, THEODORE MICHAEL	New York City
SAPIRO, DAVID	New York City
SAXE, WILLIAM VOGEL	New York City
SCHECHTER, FRANK ISAAC	New York City
SCHEUER, SIMON	New York City
SCHRENKEISEN, FRANK GILLMAN	New York City
SCOTT, LOUIS BERK	New York City
SEATON, THOMAS PROCTOR	New York City
SELIG, SOLOMON	New York City
SELLEW, WALDO WHITE	New York City
SHANKS, NATHAN	New York City
SHELLEY, HENRY VOGEL, JR.	New York City
SHERMAN, DEMPSTER DURAND	New York City
SHIBLEY, GERALD SPENCER	New York City
SIEMON, WILLIAM STANLEY	Wilkinsburg, Pa.
SINCLAIR, RALPH HANDS	Towaco, N. J.

SLOSSON, PRESTON WILLIAM.....	New York City
SMITH, ALAN DE FOREST.....	New York City
SMITH, IRVING DAVID.....	New York City
SMITH, WESLEY LOTT.....	Baldwin, L. I.
SPENCER, EDWIN BREWSTER.....	Cornwall, N. Y.
SPOONER, MALCOM GRAEME.....	Brookfield, N. Y.
STEARNS, GEORGE RAYNOLDS, JR.....	Buffalo, N. Y.
STEARNS, RALPH.....	New Rochelle, N. Y.
STECKLER, EDWARD LOUIS.....	New York City
STEINEMANN, ROBERT.....	New York City
STEINHARDT, LAURENCE MAX.....	New York City
STERN, ARTHUR NATHAN.....	New York City
STIEFEL, WALTER ALBERT.....	South Orange, N. J.
STRASBURGER, S. M.....	Long Branch, N. J.
SULZBERGER, ARTHUR HAYS.....	New York City
SUTHERLAND, RALPH.....	Suffern, N. Y.
TANNER, WILLIAM FAY.....	Wolcott, N. Y.
TANZOLA, VINCENT.....	New York City
THOMAS, PAUL BERNARD.....	New York City
TITUS, RANDOLPH PAGE.....	Washington, D. C.
TRAGITT, HORATIO N.....	Milbank, S. D.
VALENSI, ALBERT.....	New York City
VAN DYCK, VEDDER.....	Bayonne, N. J.
WACK, WILLIAM HERMAN.....	Grantwood, N. J.
WATSON, THOMAS HENDERSON, JR.....	New York City
WEEKS, WILLIAM CORNELL.....	Huntington, N. Y.
WEILL, MILTON.....	New York City
WEINER, STANLEY FELIX.....	New York City
WEINMAN, CARL LEO.....	Wilkesburg, Pa.
WELCH, WALTER.....	Scarsdale, N. Y.
WELLS, CLARENCE LEON.....	New York City
WHEELER, IRWIN.....	New Brunswick, N. J.
WHITE, WALLACE.....	New York City
WILSON, JAMES PERRY.....	Newark, N. J.
WILSON, SINCLAIR JOSEPH.....	New York City
WOLBARST, ELI.....	New York City
WOOD, ROY UDELL.....	New York City
WURM, CARL.....	New York City
WYE, TOM SHEW.....	New York City
YELLEN, JACOB SELIG.....	Buffalo, N. Y.

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## NON-MATRICULATED STUDENTS

AKERS, ARTHUR.....	New York City
ALLEN, SEYMOUR INGERSOLL.....	Poughkeepsie, N. Y.
BABBITT, JOSEPH WOODMAN.....	Newark, N. J.
BELLINGER, WILLIAM H. B.....	New York City
BERTRAND, HERBERT.....	Mt. Arlington, N. J.
BOUTON, RICHARD M.....	Jersey City, N. J.
BROWN, ARTHUR D. R.....	New York City
BUSH, ABRAHAM MOSES.....	New York City
BYRNE, JOHN FRANCIS.....	New York City
CARR, FRANK CLYDE.....	Bayonne, N. J.
CHASE, CHARLES H.....	Julesburg, Colo.
COTTER, LAWRENCE HENRY.....	Poughkeepsie, N. Y.
COYKENDALL, GLENN BROWN.....	Detroit, Mich.
CURRY VINCENT EDWARD.....	Hyde Park, N. Y.



DREW, ARTHUR LESLIE.....	New York City
ELIAS, HENRY FRANCIS EDWARD.....	New York City
FRIES, JULIUS FREDERICK.....	New York City
GATES, WILTON J.....	Nyack, N. Y.
GREENWALD, MICHAEL.....	Baltimore, Md.
HOCHSTEIN, LOUIS IRVING.....	New York City
HODGSON, LESLIE JOHN.....	Rutherford, N. J.
HOTCHKISS, RAYMOND BELL.....	New York City
HUANG, CHEN LUA.....	Tientzin, China
KEIL, GUENTER.....	New York City
KILBORN, ORSON WILLIAMS.....	New York City
KRAUSER, WILLIAM HEINEN.....	Milton, Pa.
KROLFIFER, JULIUS F.....	New York City
LA MASTER, BEN SLATER.....	Campellsburg, Ky.
LEFF, MEYER ISAAC.....	New York City
LEWIS, CLARENCE LESLIE.....	New York City
LIPMAN, IKE.....	Bayonne, N. J.
MAUL, WILLIAM FREDERICK.....	New York City
MOOK, CHARLES.....	Metuchen, N. J.
PALMER, ROGER S.....	New York City
PATTERSON, WILLIAM ALFRED.....	New York City
PAYE, CHARLES K.....	Susquehanna, Pa.
PEEPLES, THORNWELL K.....	Savannah, Ga.
PERSON, CHARLES WILLIAM.....	Denver, Colo.
PITTS, ALFRED LEIGH.....	New York City
PORTER, LEROY STEPHENS.....	Tarentum, Pa.
POWELL, RALPH EDMUND.....	Bisbee, Arizona
REUTTER, CHARLES ERNEST.....	New York City
RICCA, FRANK JOSEPH.....	New York City
ROSENBLÜTH, MILTON BENJAMIN.....	New York City
SCHEIL, WALTER EDWARD.....	Deer Park, L. I.
SEARS, JOSEPH DAVIS.....	Bloomfield, N. J.
SMITH, LOUIS A.....	Safe Harbor, Pa.
SPARKS, THOMAS AYRES.....	Bayonne, N. J.
SPLAIN, JOHN ANDREW FRANCIS.....	New York City
STERN, DAVID.....	New York City
TUCKER, RAYMOND D.....	New York City
TURPIN, EDGAR CLEVELAND.....	New York City
VOS, JULIUS.....	New York City
WALLACE, OTIS A.....	New York City
WATSON, CUTHBERT MELROSE.....	West New York, N. J.
WELSH, FRANCIS DE SALES.....	South Amboy, N. J.
WORTHEN, HERBERT C.....	New York City
YALOVITZ, ALEX.....	Atlanta, Ga.

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The following matriculated students in the College attended the Summer Session of 1909, but did not register for the first term of the Academic year 1909-1910:

BRECK, WILLIAM ROGERS	SULLIVAN, VINCENT
LOURIA, ALEXANDER L.	TIMPSON, GEORGE E.

## SUMMARY

Candidates for Degrees :

Seniors—Class of 1910.....	90
Juniors—Class of 1911.....	93
Sophomores—Class of 1912.....	172
Freshmen—Class of 1913.....	223
Non-Matriculated Students.....	58

Total.....636

# SCHOOL OF LAW

## OFFICERS OF INSTRUCTION AND GOVERNMENT

### Officers of the Faculty

Professor KIRCHWEY..... *Dean and ex-officio Member of the  
University Council*

Professor REDFIELD.....*Secretary*

Professor BURDICK (*Term expires 1910*).. . . .*Elected Delegate to the  
University Council*

Professor (—) (*Term expires 1911*).....*Elected Delegate  
to the University Council*

### The Faculty

President BUTLER	Professor CANFIELD
Professor <sup>1</sup> BURGESS	“ REDFIELD
“ SMITH	“ TERRY
“ GOODNOW	“ ABBOTT
“ <sup>2</sup> BURDICK	“ GUTHRIE
“ KIRCHWEY	“ MOORE

### Professor SCOTT

Mr. DORR

Mr. WHITAKER

Mr. GIFFORD

## PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical, and scientific education in the principles of:

The common and statute law of the United States.

The English and American system of equity jurisdiction.

The public law of the United States and Europe.

The Roman law—ancient and modern.

Theoretical and comparative jurisprudence.

## PROGRAM OF STUDIES

### First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Mr. GIFFORD

<sup>1</sup> Absent on leave 1909-10

<sup>2</sup> Absent on leave second half-year.

ELEMENTS OF LAW—3 hours, first half-year. Professor MUNROE SMITH

EQUITY—Ames's Cases on Equity, vol. 1. 3 hours, second half-year. Professor ABBOTT

PLEADING AND PRACTICE—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. 1 (2d ed.). 4 hours, second half-year. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 4 hours, first half-year. Professor BURDICK

### Second Year

ADMIRALTY—Ames's Cases on Admiralty. 2 hours, first half-year. Mr. DORR

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Mr. DORR

BAILMENTS AND CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. DORR

BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, second half-year. Mr. GIFFORD

\*DOMESTIC RELATIONS—Woodruff's Cases on Domestic Relations. 2 hours, first half-year. Professor ABBOTT

EQUITY—Ames's Cases on Equity, vols. 1 and II. 3 hours, first half-year. Professor ABBOTT

\*INSURANCE—Wambaugh's Cases on Insurance. 2 hours, first half-year. Mr. DORR

\*NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 3 hours, second half-year. Professor BURDICK

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; Thompson's Cases on Equity Pleading and Practice; New York Code of Civil Procedure. 2 hours. Professor REDFIELD

QUASI-CONTRACTS—Woodruff's Cases on Quasi-Contracts. 3 hours, second half-year. Professor (—)

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. II (2d ed.) and III (2d ed.). 2 hours. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.); Burdick on Sales (2d ed.). 3 hours, first half-year. Professor BURDICK

\* Omitted in 1909-10.

TRUSTS—Ames's Cases on Trusts. 3 hours, second half-year. Professor ABBOTT

LAW OF OFFICERS—Goodnow's Cases on the Law of Officers. 2 hours, second half-year. Professor GOODNOW

INSTITUTES OF ROMAN LAW—3 hours, first half-year. Professor MUNROE SMITH.

### Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY—Ames's Cases on Equity, vol. II. 3 hours, first half-year. Professor ABBOTT

EVIDENCE—Thayer's Cases on Evidence. 2 hours. Professor KIRCHWEY

MORTGAGES—Kirchwey's Cases on Mortgages. 3 hours, second half-year. Professor KIRCHWEY.

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 3 hours, first half-year. Professor BURDICK

PLEADING AND PRACTICE—Redfield's Cases on Code Pleading and Practice; New York Code of Civil Procedure. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY—Gray's Cases on Property, vols. V and VI. 2 hours. Professor ABBOTT

\*SURETYSHIP—Ames's Cases on Suretyship. 2 hours, first half-year. Professor (—)

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. IV (2d ed.). 3 hours, second half-year. Professor REDFIELD

AMERICAN CONSTITUTIONAL LAW—Private Rights and Immunities under the Constitution. 2 hours. Professor GOODNOW

CONFLICT OF LAWS—Beale's Cases on the Conflict of Laws. 1 hour. Professor MUNROE SMITH

HISTORY OF EUROPEAN LAW—3 hours, second half-year. Professor MUNROE SMITH

INTERNATIONAL LAW—Scott's Cases on International Law. 2 hours. Professor GEORGE WINFIELD SCOTT

MODERN CIVIL LAW—3 hours, second half-year. Professor MUNROE SMITH

\* MUNICIPAL CORPORATIONS—Abbott's Cases on Public Corporations; Smith's Cases on Municipal Corporations. 2 hours, first half-year. Professor GOODNOW

LAW OF TAXATION—Goodnow's Cases on Taxation. 2 hours, first half-year. Professor GOODNOW

## REQUIREMENTS FOR ADMISSION

### To the First-Year Class

All applicants for admission must present satisfactory evidence of good moral character.

Graduates of colleges and scientific schools in good standing are admitted without examination. Except as provided on p. 194, all persons other than such graduates must present satisfactory evidence of preliminary training equivalent to that of a full college course.

### To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the opening of the fall term. Examinations may be dispensed with and credit given on certificate for courses satisfactorily completed in an approved law school in cases where such courses are deemed by the Faculty equivalent to the corresponding courses given in this school.

Duly qualified persons not candidates for the degree of LL.B. may be admitted as non-matriculated students on presenting such evidence as the Faculty may require of their exceptional fitness to undertake with advantage the study of law.

### The Curriculum

The curriculum leading to the degree of Bachelor of Laws covers a period of three years. The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years; these may be taken both by second- and third-year students.

\* Omitted in 1909-10.



Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

### Examinations

Written examinations are held at the end of each academic year on the subjects of that year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than eight points of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

No special examinations are given.

### Degree of Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 80 points, each point representing the satisfactory completion of work requiring attendance one hour a week for one half-year.

No student may take less than twenty nor more than thirty points in any year without the consent of the Dean.

Not more than one full course nor more than two half-year courses in which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such

failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

#### Scholarships and Prizes

(See page 433)

#### Fees

(See page 38)

#### Law Library

The law library has been greatly extended and improved, and now consists of upwards of 30,000 volumes which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports.

The general Library of the University (see page 47) contains extensive collections of works relating to international, public, and Roman law.

## REGISTER OF STUDENTS

### School of Law

#### THIRD YEAR—CLASS OF 1910

ALSOP, REESE DENNY, Ph.B. Yale 1906.....	New York City
ASHER, JACOB, A.B. Clark 1907.....	Worcester, Mass.
AULT, HARLEY ADDISON, A.B. Baker 1906.....	Ottawa, Kans.
BALDWIN, LORENZO WILSON, A.B. Bowdoin 1907.....	Newburyport, Mass.
BEHR, KARL H., B.S. Yale 1906.....	New York City
BERLINER, LEE HERBERT, A.B. 1908.....	New York City
BISSELL, LOUIS GARNER, A.B. Princeton 1904, A.M. 1905.....	Philadelphia, Pa.
BRANDLEY, WALTER GEORGE, A.B. 1908.....	Newark, N. J.
CAMPBELL, LONNIE LEE, A.B. Arkansas 1906.....	Newport, Ark.
CELLA, CARLO DOMENICO, A.B. 1908.....	Hoboken, N. J.
CHAPIN, HENRY EAGLE, A.B. 1907.....	New York City
CHERRY, WILBUR HARKNESS, A.B. McGill 1907.....	Toledo, Ohio
COHEN, ISAAC.....	New York City
COODER, CLEMENT MOPPAT, Litt.B. Princeton 1907.....	Rahway, N. J.
COPLAN, NATHAN, B.S. Georgia 1907.....	Cedartown, Ga.
CRANDALL, JOHN WILLOUGHBY, A.B. Whitworth 1907.....	Tacoma, Wash.
DORSEY, ERASTUS ROY.....	Atlanta, Ga.
DYE, TRAPTON MICKELWAIT, A.B. Oberlin 1906.....	Oregon City, Ore.
EARLY, ERNEST RHEA, A.B. Emory and Henry 1906.....	Foster Falls, Va.
EXSTEIN, LOUIS WEISMAN, Ph.B. Syracuse 1908.....	Syracuse, N. Y.
FERRARI, ROBERT ANTHONY, A.B. 1905, A.M. 1907.....	New York City
FLEISCHMANN, ALBERT JOSEPH, A.B. Johns Hopkins 1907.....	Baltimore, Md.
FRENCH, CLAYTON T. A., A.B. N. Y. Univ. 1907.....	New York City
GEER, OLIN POTTER, A.B. Williams 1907.....	New York City
GOLDBLATT, HAROLD MILTON, A.B. 1908.....	New York City
HARE, RUSSELL INGMAN, A.B. Ohio State 1905.....	Muskogee, Okla.
HART, EDWARD HENRY, A.B. Yale 1907.....	New York City
HEIDGERD, HERMAN WILLIAM, A.B. C. C. N. Y. 1907.....	New York City
HERMAN, MOSES MILTON, A.B. Washington and Lee 1906.....	Danville, Va.
HIRSCH, GILBERT JULIUS, A.B. Harvard 1907.....	New York City
HOOPES, CLARENCE ARTHUR, A.B. Ohio State 1908.....	Marysville, O.
HOPPING, ALLEN TILTON, A.B. 1907.....	New York City
HOUSE, JOSEPH WARREN, A.B. Arkansas 1907.....	Little Rock, Ark.
HÜLSMANN, HERMANN ALBERT.....	Hilversum, Holland
INTEMANN, ALFRED CHRISTOPHER, A.B. C. C. N. Y. 1906.....	New York City
JABINE, WILLIAM, A.B. 1907.....	Yonkers, N. Y.
JAGUES, GEORGE WASHINGTON, JR., A.B. 1908.....	Elizabeth, N. J.
KATZENSTEIN, CHARLES JACKSON, A.B. N. Carolina 1907.....	Warren Plains, N. C.
KELLEY, WALTER EDWARD, A.B. 1907.....	New York City
KELLY, LEO CHARLES, A.B. Wabash 1907.....	Crawfordsville, Ind.
KLEPPER, MILTON REED, A.B. Washington 1907.....	Pullman, Wash.
KOBBE, FREDERICK WILLIAM, A.B. 1907.....	New York City
LANZIT, MORTIMER.....	New York City
LEVY, ALBERT MELVIN, A.B. Nebraska 1907.....	Lincoln, Neb.

LEVY, ARTHUR SAUL, JR., A.B. 1907.....	New York City
McCANLISS, LEE E., A.B. Wabash 1907.....	Rockville, Ind.
McCORMICK, WASHINGTON JAY, A.B. Harvard 1907..	Missoula, Montana
McGILL, NEIL WORTHINGTON, A.B. Oberlin 1907.....	Meadville, Pa.
McLAUGHLIN, CHARLES F., A.B. Nebraska 1908.....	Lincoln, Neb.
MARTIN, DRELINCOURT MATHEWS, A.B. Harvard 1907.....	New York City
MILHOLLAND, WILLIAM H., A.B. Yale 1907.....	New York City
MILLS, MILTON ALEXANDER, JR., A.B. Nebraska 1908.....	Osceola, Neb.
MOREMEN, MARCUS L., B.S. Florida 1907.....	Switzerland, Fla.
MORTIMER, ALBERT SKELLY, A.B. St. Francis 1907.....	New York City
NEWELL, ALBERT PRIEST, A.B. Williams 1905.....	Ogdensburg, N. Y.
NORRIS, GEORGE, A.B. 1907.....	New York City
O'CONNELL, AMBROSE A., Ph.B. Notre Dame 1907..	St. Louis, Mo.
OSTERHOUT, WILLIAM BURGESS, JR., A.B. 1908.....	Freeport, N. Y.
PARKS, JAMES LEWIS, JR., A.B. 1907.....	New York City
PEABODY, JOHN DAMON, A.B. Harvard 1906.....	New York City
PEISER, DELWYN WALTER, A. B. 1907.....	New York City
PIERSON, HOWARD OLMSTEAD, A.B. Princeton 1906.....	Norwalk, Conn.
PUTNAM, JAMES OSBORNE, A.B. Yale 1903.....	New York City
RATHJEN, ARTHUR, B.S. Rochester 1906.....	Rochester, N. Y.
REILLY, FAIRFAX ADDISON, A.B. Amherst 1908.....	Mt. Vernon, N. Y.
REINER, JOHN LOUIS, A.B. Penn. 1906.....	Little Britain, N. Y.
REYNOLDS, WILLIAM A.....	New York City
RITER, BENJAMIN FRANKLIN, JR., B.S. Utah Agricultural 1907.....	Logan, Utah
ROBINSON, JOHN SHERMAN, A.B. Michigan 1903.....	Mansfield, Ohio
ROSE, WALTER J., A.B. 1908.....	New York City
ROUSE, EDWARD CURTIS, A.B. 1908.....	New York City
SCHMITT, PAUL ADAM, A.B. St. Francis 1907.....	New York City
SILVERMAN, HERMAN, Ph.B. Yale 1906.....	New York City
SKUTCH, IRA, A.B. 1908.....	New York City
SMITH, ALLAN, A.B. Ohio Wesleyan 1906.....	Wilmington, Ohio
STANLEY, JOSEPH H., A.B. Arkansas 1897.....	Augusta, Ark.
STIGGINS, SAMUEL J., A.B. Rollins 1906.....	Tampa, Fla.
SWAIN, PRESCOTT LEGGETT, A.B. Harvard 1905.....	Denver, Colo.
SWARTWOUT, FRANK ROBERT, A.B. 1908.....	Scarsdale, N. Y.
TUTTLE, GEORGE COOLIDGE, A.B. Yale 1907.....	New York City
VANDERVEER, STEPHEN LOTT, A.B. Cornell 1908.....	New York City
VANDEWATER, WILLIAM COLLINS, A.B. Princeton 1907.....	Princeton, N. J.
VAN TINE, ADDISON ALLEN, A.B. 1908.....	New York City
WALKER, EDWARD WASHBURN, A.B. Princeton 1907.....	New York City
WELTNER, PHILIP ROBERT, A.B. Georgia 1907.....	Columbia, S. C.
Third Year—Class of 1910.....	85

## SECOND YEAR—CLASS OF 1911

ACKERMAN, SAUL BERNARD, B.S. C. C. N. Y. 1908.....	New York City
ALLEN, JAMES ARTHUR, A.B. Baker 1908.....	Chanute, Kans.
ALTERMAN, JACOB JAY, B.S. 1909.....	New York City
APPEL, ALEXANDER, B.S. 1909.....	New York City
BANGS, HENRY McCOMB, A.B. 1906.....	New York City
BEDFORD, HENRY EDWARD, JR., A.B. Williams 1908.....	New York City
BELL, STEPHEN M., C.E. Rensselaer Poly. 1903.....	New York City
BIGLOW, LUCIUS H., JR., A.B. Yale 1908.....	New York City
BIJUR, HARRY, A.B. 1908.....	New York City
BISSELL, CLIFFORD HERSHEY, A.B. Yale 1908.....	New York City
BLINN, OSCAR S., A.B. 1909.....	New York City
BOWLING, OTHO SAMUEL, A.B. Denver 1908, A.M. 1909.....	New York City
BREITENFELD, EMIL, A.B. 1909.....	New York City

BRIZZOLARA, JOHN, A.B. Arkansas 1908.....	Fort Smith, Ark.
BRUBAKER, MAURICE H., A.B. Wabash 1908.....	Columbia City, Ind.
BYARD, J. KENNETH, A.B. Williams 1908.....	Flycreek, N. Y.
BYERS, WILLIAM E., A.B. Marietta 1908.....	Broadwell, O.
CALHOUN, ORVILLE GIBERT, A.B. Wofford 1907.....	Willington, S. C.
CAMPBELL, COLIN JOSEPH.....	New York City
CHANALIS, MICHAEL NELSON, A.B. 1909.....	New York City
CHASE, LOUIS ALBERT, Ph.B. Yale 1898.....	Plainfield, N. J.
CHURCH, ELIHU CUNYNGHAM, C.E. 1904, A.M. 1909.....	New York City
COMSTOCK, MILES CHESTER, B.S. 1908.....	Utica, N. Y.
CONKLING, ROSCOE S., A.B. Amherst 1908.....	Newburgh, N. Y.
CONTENT, HAROLD AUGUSTUS, A.B. 1909.....	New York City
COPELAND, RALPH, A.B. 1909.....	New York City
CORBETT, FREDERICK JOSEPH CLEMENT, B.S. Trinity 1908.....	Hartford, Conn.
CUTTING, VICTOR WILLARD, A.B. 1908.....	New York City
DAWKINS, SPENCER MORGAN, A.B. Wofford 1903.....	Spartanburg, S. C.
DEAN, FRANCIS, A.B. Harvard 1907.....	Stamford, Conn.
DISMAN, BUTLER, A.B. Colorado 1908.....	Salida, Colo.
DOUD, DENNIS, III, A.B. Georgetown 1908.....	New York City
DUNMORE, RUSSELL G., A.B. Wesleyan 1908.....	Utica, N. Y.
EASTMAN, WILLIAM, A.B. 1908.....	Roslyn, N. Y.
EPSTEIN, LEWIS, A.B. 1909.....	New York City
FISH, SIDNEY WEBSTER.....	New York City
FORTINASH, PASCAL JOSEPH.....	New York City
FRAENKEL, OSMOND KESSLER, A.B. 1907, A.M. 1908 Harvard.....	New York City
FREECE, HANS P., A.M. 1909, A.B. Park 1904.....	Keota, Ia.
FREEDMAN, ABE, Ph.B. Baylor 1908.....	Waco, Texas
GARVEY, RICHARD, JR., B.S. St. Vincent's 1906.....	Los Angeles, Calif.
GLENN, WILLIAM LOUIS, A.B. Virginia 1908.....	New York City
GOLDSMITH, WALTER MAYER, A.B. Cornell 1909.....	New York City
GOODWIN, WILDER, A.B. Harvard 1907.....	New York City
GRIFFIN, ERNEST FREELAND, A.B. 1908.....	Tarrytown, N. Y.
GRIFFIN, PERCY FRANK, A.B. 1909.....	New York City
GUILFOIL, PAUL HAYES, A.B. Trinity 1908.....	Hartford, Conn.
HARLAM, ELWOOD JULES, A.B. 1908.....	New York City
HARTMAN, SIEGFRIED FRISCH, B.S. C. C. N. Y. 1908.....	New York City
HENNIS, JOHN ROBERTSON, A.B. St. Francis 1907.....	New York City
HENRY, LEWIS, A.B. Cornell 1909.....	Elmira, N. Y.
HERSHENSTEIN, CHARLES, A.B. 1909.....	Jersey City, N. J.
HERSHENSTEIN, SAMUEL.....	Jersey City, N. J.
HERTS, HAROLD HENRY, A.B. 1909.....	New York City
HESS, MORTIMER HENRY, A.B. 1908.....	New York City
HEUSER, CHARLES F.....	New York City
HIGGINS, FREMONT AMASA, A.B. 1908.....	New York City
HIGH, LESLIE STEPHEN, A.B., A.M. Brown 1908.....	Providence, R. I.
HITE, GEORGE EDGAR, II, A.B. Williams 1908.....	White Plains, N. Y.
HOLMES, LINDSAY D., A.B. Williams 1908.....	Elmira, N. Y.
HOLTZOFF, ALEXANDER, A.B. 1908.....	New York City
HOUGHTON, JAMES K., A.B. Wooster 1908.....	Hamilton, Mo.
JACOBS, WILLIAM ALFRED, A.B. Vanderbilt 1906.....	Beech Grove, Tenn.
JOHNSON, HALLETT, A.B. Williams 1908.....	South Orange, N. J.
JOHNSON, HARDING, Litt. B. Princeton 1908.....	New York City
KELLOGG, ASA BIGELOW, A.B. C. C. N. Y. 1908.....	New York City
KELLY, EUGENE EDMUND, A.B. 1909.....	New York City
KERNAN, CLIVE WETHERILL, A.B. Tulane 1907.....	Baton Rouge, La.
KIRCHWEY, KARL WENDELL, A.B. Yale 1908.....	New York City



KONTA, GEOFFREY, A.B. Yale 1908.....	New York City
LANGSTAFF, BRIDGEWATER MEREDITH, A.B. Harvard 1908.....	New York City
LEISSNER, EDWARD.....	New York City
LEVINE, OSCAR.....	New York City
LIVENGOD, LESTER MILES, B.L. Whitman 1908.....	Walla Walla, Wash.
LOVE, GEORGE STROMAN, A.B. Princeton 1907.....	York, Pa.
MCCHRISTIE, JOHN CLIFFORD, A.B. Fordham 1908.....	New York City
MCCOUN, FREDERIC H., JR., A.B. 1909.....	New York City
MCLAUGHLIN, WILLIAM GERALD, A.B. St. Francis 1907.....	Jersey City, N. J.
MAGARY, CHARLES J., A.B. Michigan 1907.....	Paxton, Ills.
MALLORY, PHILIP ROGERS, A.B. Yale 1908.....	New York City
MARCUS, CHARLES LIONEL, B.S. 1909.....	New York City
MILKMAN, WALTER BERNARD, A.B. 1908.....	New York City
MORRIS, GEORGE W., A.B. Rochester 1908.....	Rochester, N. Y.
MURPHY, DEACON, A.B. 1908.....	New York City
MURRAY, THEODORE ROOSEVELT, B.S. 1909.....	New York City
MYERS, CARL METZ, B.S. Buchtel 1908.....	Akron, Ohio
NEIGHBORS, C. H., A.B. Emory and Henry 1908.....	East Chattanooga, Tenn.
OGDEN, ALFRED, A.B. 1909.....	New York City
PEASLEE, AMOS JENKINS, A.B. Swarthmore 1907.....	Clarksboro, N. J.
PELL, WILLIAM HENRY DANNAT, A.B.....	New York City
PORTER, RUSSELL HOBBS, A.B. Oxford 1907.....	Norfolk, Eng.
RICE, ROBERT HUGHES, A.B. Oberlin 1908.....	Elyria, Ohio
ROTHSCHILD, LEOPOLD OPPER, A.B. 1909.....	New York City
SALSBURY, NATHAN, A.B. 1909.....	New York City
SCHULTZ, HAROLD SEELY.....	New York City
SCHWARTZ, LOUIS FREDERICK, JR., A.B. Cornell 1909.....	New Rochelle, N. Y.
SCOTT, FRANCIS EDWARD, A.B. Emory and Henry 1906.....	Emory, Va.
SHERRER, FRANK L., A.B. Lafayette 1907.....	East Orange, N. J.
SICKELS, JOHN STEWART, B.S. C. C. N. Y. 1908.....	West Nyack, N. Y.
SOLINGER, WALTER BERNARD, A.B. Princeton 1908.....	New York City
STEINER, JOSEPH, A.B. 1908.....	Newark, N. J.
STRATTON, JOHN RAYMOND, A.B. Bushnell 1908.....	Blossburg, Pa.
TERMINI, PHILIP JOSEPH, A.B. Fordham 1908.....	New York City
THOMAS, ARTHUR GEORGE, A.B. Chicago 1903.....	Minneapolis, Minn.
UHLEIN, HERMAN ALFRED, M.E. Cornell 1908.....	Milwaukee, Wis.
UNTERMYER, IRWIN.....	New York City
WALKINSHAW, ROBERT BOYD, Ph.B. Wooster 1905.....	Millwood, Pa.
WALSER, GUY OLIVER, A.B. Harvard 1908.....	New York City
WANGERIEN, CARL JACOB, A.B. Nebraska 1909.....	Vining, Kan.
WEINSTERN, DAVID, A.B. 1909.....	New York City
WEISS, WILLIAM STIX, A.B. Yale 1908.....	New York City
WOLFF, STANLEY LEWIS, A.B. Amherst 1908.....	New York City
WYLIE, SAMUEL DUNCAN, A.B. Lafayette 1908.....	Shippensburg, Pa.
Second Year—Class of 1911.....113	

## FIRST YEAR—CLASS OF 1912

ALEXANDER, ARTHUR DOUGLAS, A.B. 1909.....	New York City
ALEXANDER, TOM MACKENZIE, A.B. 1908.....	New York City
ALMIRALL, LEON VINCENT, Ph.B. Holy Cross 1906.....	New York City
ANDREWS, P. S., A.B. Yale 1909.....	Syracuse, N. Y.
ARNOLD, LAWRENCE S., E.M. 1905.....	New York City
BAGNELL, ROBERT HAROLD, A.B. 1908.....	New York City
BAIRD, RAIMOND DAY, A.B. Wesleyan 1909.....	New York City
BERGE, FREDERIC OTTO, B.S. 1909.....	Tampico, Ill.
BICKEL, PAUL JARED, A.B. Franklin and Marshall 1907.....	Sinking Spring, Pa.

BIGELOW, MASON HUNTINGTON, A.B. Amherst 1909.....	Utica, N. Y.
BISHOP, EDWARD THEODORE, B.L. Pomona 1906.....	Pomona, Cal.
BISSELL, PELHAM ST. GEORGE, JR., A.B. 1909.....	Freeport, N. Y.
BLUM, ISIDOR, A.B. Johns Hopkins 1909.....	Baltimore, Md.
BOND, JESSE HICKMAN, A.B. Oregon 1909.....	Florence, Oregon
BRIGHT, ARTHUR A., B.S. Gettysburg 1909.....	Harrisburg, Pa.
BRISTOL, ARTHUR E., A.B. Amherst 1909.....	Glen Ridge, N. J.
BROWN, LOUIS ALEXANDER, A.B. 1909.....	New York City
BULLION, HARRY J., Ph.B. Hamilton 1909.....	Richfield Springs, N. Y.
BURTON, ROGER OGDEN, A.B. Harvard 1901.....	New York City
BUTLER, WILLIAM ALLEN, 3d A.B. Princeton 1909.....	New York City
BUTTS, JAMES EARLE, A.B. Hobart 1908.....	Genesee, N. Y.
CAHILL, ROY ROBERT, B.S. Whitman, 1909.....	Dayton, Wash.
CATACOUZINOE, JOHN A., A.B. Metelin, Turkey 1903.....	New York City
CIVIC, MAXWELL, B.S. C. C. N. Y. 1909.....	New York City
COHEN, GEORGE LIONEL, A.B. C. C. N. Y. 1909.....	New York City
COHEN, JOSEPH GEORGE, B.S. C. C. N. Y. 1909.....	New York City
COMPTON, GEORGE BROKAW, A.B. 1909.....	Interlaken, N. Y.
COTTER, CHARLES P., A.B. Montana 1907.....	Townsend, Montana
COUGHENOWS, WILLIAM CHAMBERS, A.B. North Carolina 1908.....	Salisbury, N. C.
CUNNINGHAM, FRANK LOUGHRAN, A.B. Princeton 1909.....	New York City
DAVIS, FLETCHER WYCLIFFE, A.B. Oklahoma 1908.....	Paden, Okla.
DELAMATER, JOHN OSCAR, A.B. Amherst 1908.....	Arlington, N. Y.
DELAVINA, FRED VALENTINE, A.B. Bowdoin 1908.....	Portland, Me.
DE LUCA, GEORGE B., B.S. C. C. N. Y. 1909.....	New York City
DERBY, JAMES LLOYD, A.B. Harvard 1908.....	New York City
DETRICH, KURT, equiv. A.B. Berlin 1909.....	Mt. Vernon, N. Y.
DOWLING, NOEL THOMAS, A.B. Vanderbilt 1909.....	Ozark, Ala.
DURKIN, EDMUND L.....	Spokane, Wash.
ELLIOTT, DONALD F., A.B. De Pauw.....	Kokomo, Ind.
EMERSON, HAROLD BROWN, Ph.B. Wooster 1908.....	Bellefontaine, Ohio
EPSTEIN, MAURICE, A.B. 1908.....	New York City
FIELD, HENRY CROMWELL, A.B. Swarthmore, 1909.....	New York City
FISK, BRENTON KERN, A.B. Kingfisher 1907.....	Kingfisher, Okla.
FLOUTON, ALLEN BROWN, A.B. Syracuse 1909.....	Watervliet, N. Y.
FLOWER, HERBERT JAMES.....	Passaic, N. J.
GARCIA, FRANCIS J., A.B. St. Johns 1909.....	New York City
GLOVER, DAWSON COLEMAN, A.B. Harvard 1909.....	Fairfield, Conn.
GOODNOW, DAVID FRANKLIN, A.B. Amherst 1909.....	New York City
GOODWIN, EDWARD NUTE, A.B. Amherst 1909.....	New York City
GORDON, GEORGE ANDERSON, A.B. Harvard 1906.....	New Bedford, Mass.
GORDON, IRVING, A.B. C. C. N. Y. 1909.....	New York City
GREENBAUM, LAWRENCE SAMUEL, A.B. Williams 1909.....	New York City
HARTSHORNE, RICHARD, B.S. Princeton, 1909.....	Newark, N. J.
HARTZELL, WILLIAM H. JR., A.B. Lafayette 1909.....	Easton, Penn.
HERTZOG, WALTER SYLVESTER, A.B. Harvard 1905.....	Shamokin, Pa.
HEWITT, JOHN VANCE, A.B. Missouri 1905.....	Shelbyville, Mo.
HOWENSTEIN, WILBUR MORTON, A.B. Oberlin 1909.....	Oklahoma City, Okla.
KAIN, W., B.L. Princeton 1908.....	Dallas, Texas
KAUFMAN, ELIAS RAAS, A.B. Vanderbilt 1909.....	Lake Charles, La.
KELLOGG, WINTHROP HUNTINGTON, A.B. Hamilton 1908.....	Batavia, N. Y.
KENNEDY, PALMER, A.B. Whitworth 1909.....	Tacoma, Wash.
KESSLER, GEORGE WALTER, A.B. Pennsylvania 1908.....	Sac City, Iowa
KISTLER, GREGORY.....	New York City
LANGER, WILLIAM, LL.B. No. Dakota 1906.....	Casselton, No. Dak.
LA PLANTE, JOHN BAPTIST, A.B. Georgetown 1909.....	Vincennes, Ind.

LAWTON, DANIEL LATHROP, A.B. Yale 1909.....	New York City	
LEVE, JULIAN ARTHUR, B.S. C. C. N. Y. 1909.....	New York City	
LINN, WALTER HARRISON, A.B. Wabash, 1909.....	Crawfordsville, Ind.	
LOWRIE, JOHN MARSHALL, A.B. Knox 1908, A.M. Illinois 1909.....	Ipava, Ill.	
LUHRS, IMMANUEL, A.B. 1909.....	Jersey City, N. J.	
LYNCH, ANTHONY VINCENT, A.B. Georgetown 1909.....	Utica, N. Y.	
McKEE, BENJAMIN HARRISON, A.B. Yale 1909.....	New York City	
McMAHON, DANIEL FRANCIS, B.S. Manhattan 1909.....	New York City	
MARTINEZ, JOAQUIN, A.B. Frederick 1907.....	Mayaguez, Porto Rico	
MEDINA, HAROLD RAYMOND, A.B. Princeton 1909.....	New York City	
MERRELL, CLARENCE FUSON, A.B. Wabash 1909.....	Crawfordsville, Ind.	
MICHAEL, JEROME, A.B. George 1909.....	Athens, Ga.	
MULLINS, GEORGE HOLLAND, A.B. Georgetown 1909.....	No. Yakima, Wash.	
NORRIS, FRANCIS ELY, A.B. Yale 1908.....	Newark, N. J.	
NORTON, DELBERT A., A.B. Arkansas 1909.....	Little Rock, Ark.	
NOURSE, CHARLES JOSEPH, A.B. Harvard 1909.....	New York City	
PARK, JAMES, A.B. Harvard 1909.....	Westbury, N. Y.	
PERKINS, EDWARD NEWTON.....	Windsor, Vt.	
PFEIFFER, TIMOTHY NEWELL, A.B. Princeton 1909.....	Merchantville, N. J.	
PIERREFONT, RUTHERFORD STUYVESANT, A.B. 1905.....	New York City	
POLK, GEORGE W., Grad. Virginia Mil. Inst. 1909.....	Fort Worth, Texas	
POLLACK, EDGAR A., A.B. C. C. N. Y. 1909.....	New York City	
READ, JOHN ERSKINE, A.B. Dalhousie 1909.....	Halifax, N. S., Can.	
ROBINSON, HAMILTON WHITNEY, B.S. Princeton 1909.....	Yonkers, N. Y.	
ROBINSON, JOHN MOSELEY, Ph.B. North Carolina 1907.....	Goldsboro, N. C.	
SANBORN, JOHN CARFIELD, A.B. Oberlin.....	Chenoa, Ill.	
SCHIEFELBEINE, ERNEST SIMON, A.B. Tremont 1907.....	Ithaca, Neb.	
SCHOLLE, HOWARD ABRAHAM, A.B. Williams 1906.....	New York City	
SMITH, YOUNG BERRYMAN, B.S. Georgia 1909.....	Atlanta, Ga.	
STEELE, ROSWELL H., A.B. Yale 1908.....	New York City	
STOCKTON, SANFORD DELWIN, A.B. Yale 1909.....	Poughkeepsie, N. Y.	
THOMPSON, RAYMOND, B.S. C. C. N. Y. 1909.....	New York City	
TROUTFELT, EDGAR MARK, Ph.B. Lafayette 1909.....	Easton, Pa.	
VAN FOSSAN, ERNEST HARVEY.....	Oberlin, Ohio	
WASHBURN, FRANK ALEXANDER BRISSENDEN, A. B. Harvard 1909.....	New York City	
VON WEDELL, HANS ADAM.....	New York City	
WHITAKER, KARL ERROLL, B.S. Vanderbilt 1909.....	Tampa, Fla.	
First Year—Class of 1912.....		102

## NON-MATRICULATED STUDENTS

BAUMER, HERBERT P.....	New York City
BEHRMAN, LEON WASHINGTON, LL.B. Oregon 1909 ..	Portland, Ore.
BOWERS, WILLIAM CRAIN.....	New York City
FREUNDLICH, ISAAC.....	New York City
GODDARD, ARTHUR HAROLD.....	Olympia, Wash.
GOLDBERGER, MORRIS LEOPOLD.....	Perth Amboy, N. J.
HELM, CARL F.....	Tacoma, Wash.
HO, WINGSHIN ..	Canton, China
HUELLE, LEON C., LL.B. Texas 1909.....	Dallas, Texas
JONES, HENRY LEO.....	Olympia, Wash.
KAHN, JULIUS.....	New York City
LEFFERTS, ALLEN.....	New York City
McKELLAR, ROBERT SMITHSON.....	Stillwater, Minn.
McLAURY, FRANK.....	East Orange, N. J.
MEGREW, GEORGE .....	Plainfield, N. J.

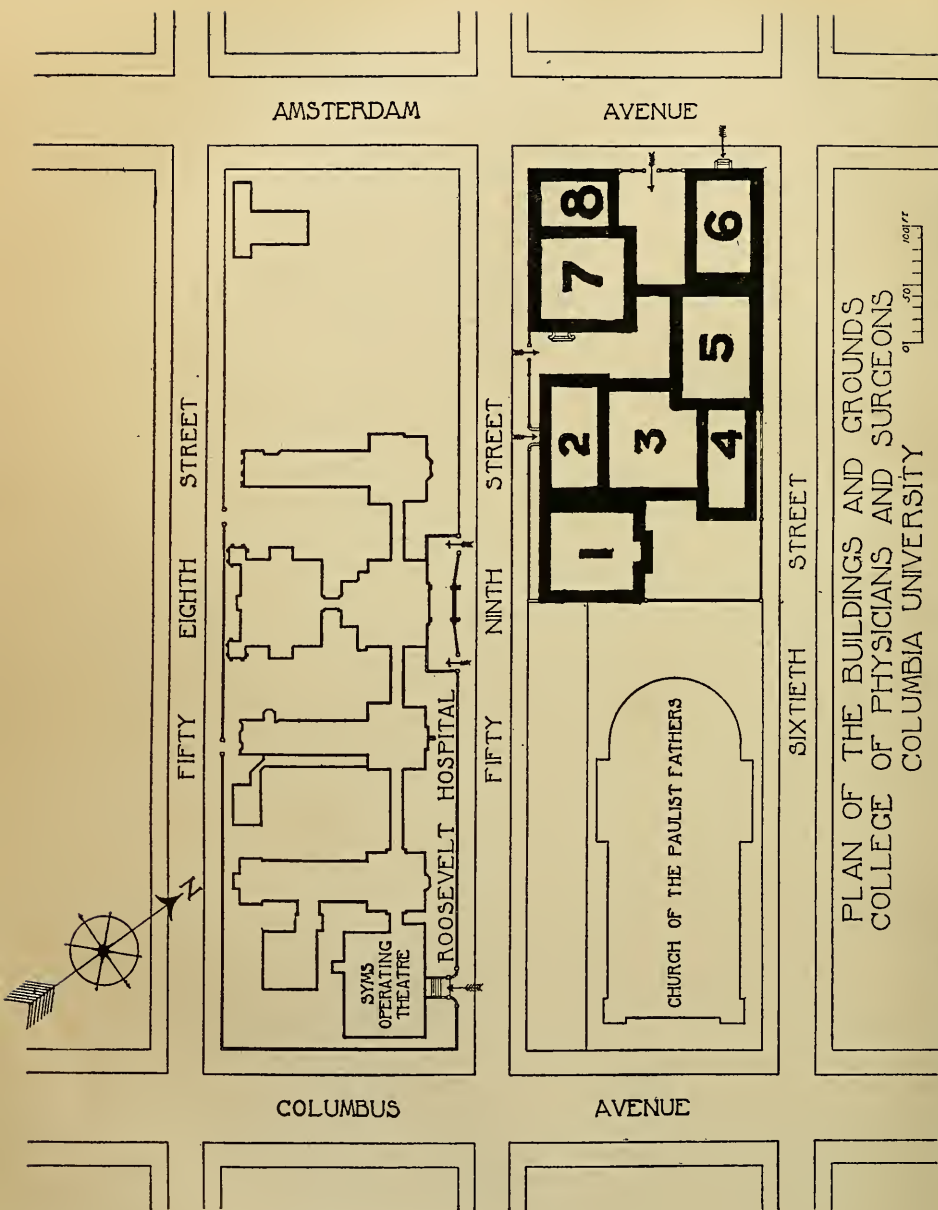
MEZ, D. ARTHUR.....	Freiburg, Germany
SICLARI, FRANCESCO ANTONIO.....	New York City
STALLCUP, EVAN SHELBY.....	Tacoma, Wash.
Non-Matriculated Students.....	18

## SUMMARY

Third Year—Class of 1910.....	85
Second Year—Class of 1911.....	113
First Year—Class of 1912.....	102
Non-matriculated students.....	18
	<hr/>
Seniors from Columbia College.....	318
	<hr/>
Total.....	353







No. 1. Institute of Anatomy  
No. 2. South Wing  
No. 3. Middle Wing

No. 4. North Wing  
No. 5. Vanderbilt Clinic East  
No. 6. Vanderbilt Clinic West

No. 7. Sloane Maternity Hospital East  
No. 8. Sloane Maternity Hospital West

# SCHOOL OF MEDICINE

## COLLEGE OF PHYSICIANS AND SURGEONS

### Officers of the Faculty

Professor LAMBERT . . . . . *Dean and ex-officio Member of the University Council*  
 Professor HUNTINGTON (Term expires 1910) . . . . . *Elected Delegate to the University Council*  
 Professor STARR, M.D., LL.D., Sc.D. (Term expires 1911) . . . . . *Elected Delegate to the University Council*  
 Professor GIES, M.S., Ph.D. . . . . *Secretary*

### Standing Committees

#### ON ADMINISTRATION:

The Dean (Chairman), Professors HUNTINGTON, CRAGIN, BLAKE, and JANEWAY

#### ON ADMISSIONS:

The Dean (Chairman), Professors WOOD and GIES

#### ON SCHOLARSHIPS:

The Dean (Chairman), Professors HOLT and PAINTER

#### ON STUDENTS' LIBRARY:

Professors STARR (Chairman), JAMES, and HISS

### The Faculty

President BUTLER	Professor BLAKE
Professor STARR	“ LAMBERT
“ HUNTINGTON	“ BREWER
“ CRAGIN	“ WOOD
“ JAMES	“ PAINTER
“ GIES	“ SCHULTE
“ HOLT	“ JANEWAY
“ HISS	“ EVANS
“ HERTER	“ MACCALLUM

### Emeritus Professors

(See page 7).

### HISTORICAL STATEMENT

Kings College—the original foundation of Columbia University—

organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of Kings College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established, and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1769 the degree of Doctor of Medicine has been conferred by Columbia University on 7434 men, including many of the most eminent practitioners in the United States.

### BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south-west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

#### The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of

the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department see the departmental statements.

### Vanderbilt Clinic

THE VANDERBILT CLINIC is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction of students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1908, 47,093 patients were treated, making 162,858 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the *Announcement of the College of Physicians and Surgeons*.

### Sloane Maternity Hospital

THE SLOANE MATERNITY HOSPITAL is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-seven beds, and there are ample accommodations for the house staff, students, and nurses. The operating room is equipped with all modern surgical and obstetrical conveniences, and Professor CRAGIN holds weekly clinics here for the third-year class during the first half of the year.

The number of deliveries averages about seventeen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

A gift of \$150,000 has been made by Mr. Sloane to provide an addition to the hospital which will afford the opportunity of studying under one roof the problems of obstetrics and women's diseases.

### Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries and at the bedside, all of which are prominent features of the curriculum. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, French, Gouverneur, Lincoln General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker, Scarlet Fever and Reception, New York Eye and Ear Infirmary, Foundling, the Babies' Hospital, New York Ophthalmic and Aural Institute, the Manhattan Eye, Ear, and Throat Hospital, and the Woman's Hospital. For a detailed statement see the *Announcement of the College of Physicians and Surgeons*.

### Lectures

CARTWRIGHT LECTURES OF THE ALUMNI ASSOCIATION—According to the provisions of the Cartwright Trust there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered in March, 1908, by James Ewing, M.D., '91.

### GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years. The requirements for admission are given elsewhere, but too much stress cannot be laid upon the desirability of a student fulfilling the spirit as well as the mere letter of those requirements. Physics and general chemistry are now required for admission, and the student of medicine will grasp the advanced subjects forming the groundwork of the course the more easily and with the better understanding just in proportion to the breadth and completeness of his preliminary education. This is especially true of the student who has added to his physics and chemistry a sufficient knowledge of general biology, which is an essential part of a thorough medical education. The attention of students is particularly called to the regulations of Columbia College (see page 194) which permit a student



to obtain a thorough preliminary training and at the same time to complete the requirements for the degree of A.B. or B.S. and the degree of M.D. in six years.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some one subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. In this part of the year pharmacy laboratory work is begun, organic and physical chemistry is dealt with and taught by didactic lectures, recitations, and laboratory exercises, and histology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by a course in mammalian morphology. Physiology is taught by didactic lectures, demonstrations, recitations, and practical work in the laboratory. Physiological chemistry is studied in the laboratory and by lectures and recitations. Anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in *materia medica* and medicine are begun and lectures, recitations, and laboratory courses in pharmacology and bacteriology and hygiene are attended. As preliminary to the third and fourth years, recitations from text-books are held in obstetrics, *materia medica*, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy, and are prepared for the study of medicine by an elementary clinic, and by instruction in the methods of physical diagnosis.

During the third year recitations in medicine and surgery are continued and those in gynecology, diseases of children, and therapeutics are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology and therapeutics, obstetrics, gynecology, neurology, genito-urinary diseases, laryngology, otology, ophthalmology, dermatology, orthopedic surgery and diseases of children. During the year the work in pathological anatomy and clinical pathology is com-

pleted. The class is divided into small sections for instruction in physical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital and out-patient obstetrical department offer excellent opportunities. Here the student is required to live for five weeks and personally attend a certain number of cases of labor. The course in diseases of children includes bedside instruction in the wards of the Babies' Hospital, where exceptional advantages are enjoyed by the students for studying all forms of acute disease in infants and young children. The course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

### Clinical Clerkships in the Various Hospitals

Courses in the wards of St. Luke's, the German, and the Lincoln Hospitals have been opened by those institutions to fourth-year medical students. These courses consist of work in the wards of the hospitals during which the students admitted will serve as clinical clerks and become for the time being members of the regular staff. The courses are open for periods of two months' duration both during the vacation and during the regular term. The students who can successfully pass such tests as may be required by these hospitals and be entered upon these courses will be excused from college work while on duty except on Thursdays of each week. This work is largely in the medical wards. The Presbyterian Hospital will give similar opportunity in surgical work limited to morning hours. It is hoped that similar courses will be opened in other hospitals, and the College of Physicians and Surgeons is ready to adapt its curriculum to meet such increased clinical facilities for its students.

## REQUIREMENTS FOR ADMISSION

## Beginning with the Class entering in September 1910

All candidates must present (1) the medical-student certificate of the Regents of the University of the State of New York, and (2) also *one* of the following qualifications:

- (a) The completion of not less than two full years of study in an approved college or scientific school, which course must have included instruction in the elements of physics, inorganic chemistry, and biology; or
- (b) Graduation from an approved college or scientific school, or in lieu thereof a bachelor's degree in arts or science or its substantial equivalent conferred by an approved institution in Great Britain, France, or Spain, or graduation from a gymnasium in Germany, Austria, or Russia, or the completion of a course of study equivalent thereto—as, for example, a course of five years in a registered ginnasio and three years in a liceo; provided that the course leading to such degree or graduation has included instruction in the elements of physics, inorganic chemistry, and biology; or
- (c) In lieu of either of the above, present such evidence as the Faculty may require, to prove exceptional fitness to undertake with advantage the study of medicine.

## Advanced Standing

Admission may be granted to advanced standing at the beginning of any year. At least one full year of attendance is required of every candidate for the degree.

Candidates who have completed one or more years of study in an approved medical school, and apply for admission to advanced standing at the College of Physicians and Surgeons, will be admitted to the standing to which their record in that medical school would admit them, and be given credit for all courses satisfactorily completed therein, on presentation of proper certificates to the Committee on Admissions covering the same; provided that the candidates before beginning the study of medicine have fulfilled the requirements for admission demanded by the College of Physicians and Surgeons.

## Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (a) an adequate preliminary education, and (b) special fitness for the particular work they desire to pursue.

### REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.
2. To present evidence of having complied with the requirements for admission.
3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. (See table, page 229).
4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

### The Degree of Master of Arts

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 182).

### SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

(See page 433)

### EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 52-170, and more fully in the *Announcement of the College of Physicians and Surgeons*.

### REQUIREMENTS FOR LICENSE TO PRACTICE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons*.

### SUMMER SESSION IN MEDICINE

Practical courses in medicine, varying from three to six weeks in length, for the benefit of practising physicians who desire opportunities for additional study and investigation, as well as for properly qualified students of medicine and surgery, are given in June, July, and August of each year.



# COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*)

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Chemistry (Physical and Organic) 51 Anatomy (including Histology and Embryology) 53-54, 55-56, 57-58, 67-68, 69-70, 71-72 Physiology 106-107 Physiological Chemistry 102 Pharmacy 61 <i>Examinations upon the work of the first year</i>	Anatomy 51-52, 59-60, 65-66 Physiology 106-107 Pathology 52, 54 Bacteriology and Hygiene 51 Pharmacology, Materia Medica, and Therapeutics 59-60, 62, 63-64 Obstetrics 53-54 Practice of Medicine 51, 52, 54 Surgery 89-90 Gross Pathology 55-56 Pathological Anatomy 57-58 <i>Examinations upon the work of the second year</i>	Pharmacology, Materia Medica, and Therapeutics 55-56, 57-58 Practice of Medicine 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68 Neurology 51 Surgery 51-52, 53-54, 55-56, 57-58, 59-60, 79-80, 81-82, 83-84, 85-86 Obstetrics 51 Gynecology 52, 53 Genito-Urinary Diseases 51-52, 53-54, 56 Ophthalmology 52, 53-54, 56 Otolaryngology 51 Diseases of Children 51, 52, 55-56, 57, 59-60 Clinical Pathology 52 Orthopedic Surgery 51-52 Dermatology 53-54 Laryngology 51-52, 53-54, 55-56 Pathological Anatomy 55-56 <i>Examinations upon the work of the third year</i>	Pharmacology, Materia Medica, and Therapeutics 51, 53-54, 70, 71-72, 75 Practice of Medicine 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82 Neurology 51, 53-54, 55-56, 57, 59-60 Surgery 51-52, 55-56, 59-60, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76 Orthopedic Surgery 53-54, 55-56, 57-58 Obstetrics 55-56, 57-58 Gynecology 55-56, 57-58, 59-60, 61-62, 63-64, 65-66 Dermatology 53-54 Diseases of Children 51, 52, 53-54, 61-62 Laryngology 57-58 Otolaryngology 53-54, 55-56 Clinical Pathology 53-54 Pathological Anatomy 53-54 <i>Examinations upon the work of the fourth year</i>

<sup>1</sup>In all subjects which are not completed in a single year, the instruction offered to a given student is different each year. Consult the departmental statements (pp. 52-170) for:

- (1) The scope of each course, the number of hours required for it, and the instructors giving it;
- (2) Information regarding the courses open to special (graduate) students in medicine;
- (3) Courses which may be counted towards the degrees of A.M. and Ph.D.



A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents), this volume, and a detailed announcement, showing the scope of each course, the conditions under which it is given and the fee charged, will be sent upon application to the Secretary of Columbia University, New York City.

Students who have satisfactorily completed the practical clinical courses in this Summer Session may be excused from equivalent courses required for the degree of M.D.

## REGISTER OF STUDENTS

### School of Medicine

#### FOURTH YEAR—CLASS OF 1910

ARENA, JOHN, Ph G. N. Y. Coll. of Phar. 1904.....	New York City
BAUMANN, OSCAR ISRAEL, A.B. C. C. N. Y. 1906.....	New York City
BECK, SOLOMON.....	New York City
BELL, HAROLD KENNEDY, A.B. 1907.....	Flushing, N. Y.
BELLER, ABRAHAM JACOB, B.S. C. C. N. Y. 1906.....	New York City
BENDER, THEODORE.....	Paterson, N. J.
BIBBY, HARRY LAMBERT.....	Paterson, N. J.
BLABER, MURTHA PAUL, A.B. St. Francis 1906.....	Brooklyn, N. Y.
BLUM, JULIUS, A.B. 1906.....	New York City
BROWN, FREDERICK LANE, A.B. Princeton 1905.....	Somerville, N. J.
CAMPUS, ELLIS, B.S. C. C. N. Y. 1906.....	New York City
COHEN, HAROLD AARON, B.S. C. C. N. Y. 1906.....	New York City
COHEN, SAMUEL, A.B. C. C. N. Y. 1906.....	New York City
COLE, PHILIP GILLET.....	Helena, Mont.
COUCH, VANDER FRANKLIN, B.S. Wake Forest College 1908.....	Greensboro, N. C.
DIETERICH, FREDERICK HENRY.....	New York City
DONNELLY, JOSEPH EDWARD, A.B. St. Francis Xavier 1903.....	New York City
DUPIN, EUGENE A., Phar.D. N. Y. Coll. of Phar. 1904.....	New York City
EYERINGHAM, SUMNER, A.B. Kansas State Univ. 1907.....	Topeka, Kansas
*FALK, HENRY CHARLES.....	New York City
FELDSTEIN, GEORGE MOSES.....	Kholmisk, Russia
FORD, JAMES SMITH.....	Newark, N. J.
FREEMAN, ANTHONY CURT, A.B. Stanford 1906.....	Chicago, Ill.
FRIEDSON, MORRIS, A.B. C. C. N. Y. 1902.....	New York City
FUHRMAN, HERMAN CHARLES.....	Brooklyn, N. Y.
FURMAN, BENJAMIN APPELGATE, A.B. Princeton 1906.....	Newark, N. J.
GOLDBERG, VICTOR, B.S. C. C. N. Y. 1906.....	New York City
GOODFRIEND, HARRY.....	New York City
GOTTLIEB, ABRAHAM.....	Riga, Russia
HENES, EDWIN, JR., A. B. 1907.....	New York City
HILDRETH, WILLIAM WARREN, A.B. Princeton 1906.....	Southampton, L. I.
HOYT, RANDAL EDWARD, B.S. Princeton 1905.....	St. Louis, Mo.
HUBBARD, THOMAS BRANNON, A.B. Washington and Lee 1906.....	Montgomery, Ala.
ILL, EDGAR ALEXANDER, B.S. Princeton 1906.....	Newark, N. J.
JACKSON, JAMES ALBERT, JR.....	Madison, Wis.
KEYES, HAROLD BROWN, A.B. Yale 1908.....	Hartford, Conn.
LEBENDIG, ABRAHAM.....	Rochester, N. Y.
LEMMON, WILLIAM GLADSTONE, B.S. Oklahoma Univ. 1908.....	Nardin, Oklahoma
LINDSAY, MERRILL KIRK.....	Topeka, Kan.
LONG, WILLIAM BAYARD.....	Spring Lake, N. J.
LOVE, ANDREW J., M.D. Meharry Med. Coll. 1890.....	New York City
MCALPIN, KENNETH ROSE, A.B. Princeton 1905, A.M. 1906.....	Ossining, N. Y.
MCBURNIE, MALCOLM, A.B. Harvard 1906.....	New York City
MCCEEERY, JOHN ALEXANDER, A.B. Harvard 1906, A.M. 1907.....	New York City
MIXSELL, HAROLD RUCKMAN, A.B. Princeton 1906.....	Easton, Pa.
MOORE, FRANCIS WILLIAM, JR.....	Brooklyn, N. Y.
NEERGAARD, ARTHUR EDWIN, A.B. Yale 1904.....	Concord, N. H.
PASCALE, VINCENZO.....	New York City

\* Name changed by Judge Lynch, N. Y. City Court.

PERKINS, EDWARD CARTER, A.B. Yale 1898.....	Yonkers, N. Y.
POLL, DANIEL, A.B. 1908.....	Brooklyn, N. Y.
REED, HOWARD BECK, B.S. Princeton 1906.....	Seabright, N. J.
REIDY, MAURICE JOSEPH.....	Winsted, Conn.
RIDGE, FRANK ISAAC.....	Kansas City, Mo.
ROSENBAUM, CHARLES.....	New York City
ROSS, CARL THORBURN, A.B. Stanford 1906.....	Astoria, Ore.
SANFORD, CHARLES HENRY.....	New York City
SWEENEY, MORRIS MOTT, B.S. Colgate 1903.....	Hamilton, N. Y.
SWICK, DAVID AARON, B.S. C. C. N. Y. 1899.....	New York City
SWIFT, PERCY EDWARD.....	New York City
TERRY, ARTHUR HUTCHINSON, JR., A.B. Yale 1906.....	Patchogue, L. I.
TOOKER, NORMAN BROWN, A.B. Princeton 1906.....	East Orange, N. J.
UTTER, HENRY EDWIN, A.B. Amherst 1906.....	Westerly, R. I.
VAN ETEN, ROYAL CORNELIUS, A.B. Amherst 1906.....	Rhinebeck, N. Y.
WARREN, EDMUND LEVINGS.....	St. Paul, Minn.
WEBSTER, DAVID HENRY, A.B. Acadia 1906.....	Cambridge Station, Nova Scotia
WEINGART, JULIUS SHAW, A.B. Tarkio 1905.....	Clearfield, Iowa
WIENER, HERBERT JOSEPH, A.B. Harvard 1906.....	New York City
WILDS, ROBERT HENRY, B.S. South Carolina College 1904.....	Columbia, S. C.
WORCESTER, JAMES NEWBIGIN, A.B. Amherst 1906.....	Bloomfield, N. J.
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## THIRD YEAR—CLASS OF 1911

ACKERMAN, STEPHEN HULBERT, JR., A.B. Harvard 1907.....	Brooklyn, N. Y.
ALEXANDER, HUGO, B.S. New York University 1907.....	Hoboken, N. J.
ALLING, FREDERIC AUGUSTUS, B.S. Princeton 1907.....	Newark, N. J.
ANDERTON, WALTER PALMER, A.B. Harvard 1908.....	New York City
ASHE, JOHN RAINEY, B.S. S. C. Military Academy 1902.....	Yorkville, S. C.
BARBER, WILLIAM HOWARD, A.B. 1909.....	Brooklyn, N. Y.
BESSIE, ABRAHAM, A.B. 1908.....	Wahpeton, N. D.
BISCH, LOUIS EDWARD, A.B. 1907.....	Brooklyn, N. Y.
BROWN, R. MARK, A.B. Univ. of Utah.....	Ogden, Utah
BRUCKHEIMER, RALPH MONROE.....	New York City
CALMAN, ARTHUR SAMUEL.....	New York City
CHENEY, CLARENCE ORION, A.B. 1908.....	New York City
CHILIAN, STEPHEN A.....	New York City
COBB, JAMES LIVINGSTON.....	Brooklyn, N. Y.
COBB, WALTER FRANK, Bach. of Physical Education.....	Attleboro, Mass.
COHEN, IRA, B.S. 1909.....	New York City
COMBES, ABBOTT CARSON, JR.....	Elmhurst, L. I.
DEBON, AMÉDÉE JOSEPH.....	Paris, France
DE PASSE, ALFRED BERNARD CAMILLE.....	New York City
DUNNING, HENRY SAGE, D.D.S. N. Y. College of Dentistry 1904.....	New York City
DUSTIN, EDGAR GERALD.....	Saranac Lake, N. Y.
EATON, HENRY DOUGLAS.....	New York City
EISLER, SAMUEL.....	New York City
ERNST, EDWARD CRANCH.....	Chicago, Ill.
FORSAITH, WILLIAM FRANCIS, A.B. Dartmouth 1908.....	Auburn, N. H.
GOODWIN, GEORGE MUNRO, A.B. 1909.....	Tompkinsville, N. Y.
GRACE, RODERICK VINCENT, A.B. C. C. N. Y. 1904.....	New York City
GRAY, JOHN WESLEY.....	Maine, N. Y.
HALL, FAIRFAX, Ph.B. Yale 1907.....	Binghamton, N. Y.
HALSTED, HARBECK.....	Greeley, Colorado
HERZFELD, MELVIN GUSTAV.....	New York City
HETWARD, NATHANIEL BARNWELL, A.B. University of S. C. 1907.....	Columbia, S. C.

HILL, JAMES FITTS.....	Montgomery, Ala.
HOBBS, AUSTIN LATTING, A.B. Princeton 1907.....	East Orange, N. J.
HORN, JAMES FREDERICK, A.M. Princeton 1904, B.D. Princeton 1905...	Newark, N. J.
KNAPP, ROBERT PHINEAS.....	Saratoga Springs, N. Y.
LANGWORTHY, HOWARD TRACY.....	West Edmeston, N. Y.
LEVIN, LOUIS ABE OSCAR.....	New York City
LEWIS, FRED RAYMOND, Ph.B. University of Rochester 1907.....	Charlotte, N. Y.
LYNCH, KEVIN DAVID, A.B. St. Peter's College, N. J., 1907.....	West Hokoben, N. J.
MCCHESNEY, PAUL ELY, A.B. Yale 1907.....	Greenwich, Conn.
McKINLAY, CHARLES MILES, A.B., 1907.....	Tenaflly, N. J.
MACGUIRE, CONSTANTINE JOSEPH, JR., A.B. Yale 1907.....	New York City
MAFFUCCI, MAURI, B.S. N. Y. University 1907.....	Irvington-on-Hudson, N. Y.
MILLER, HYMEN RUDOLPH, B.S.....	Brooklyn, N. Y.
MOUNT, GUY, A.B. University of Oregon 1907.....	Silverton, Oregon
MURRAY, VANCE BISHOP.....	Fordham, N. Y.
O'CONOR, JOSEPH AUGUSTINE.....	New York City
PAPPARD, HOWARD THOMAS, A.B. Williams 1907.....	Southport, Conn.
PETERSEN, LEO SMITH.....	New York City
PHIPPS, HOWARD MORTON, A.B. Colgate 1907.....	East Rockaway, N. Y.
PRATT, EDWARD LEANDER, A.B. Yale 1907.....	Lewiston, Me.
ROBERT, DANIEL RUTGERS, Litt.B. Princeton 1907.....	Brooklyn, N. Y.
ROBINSON, LEWIS BYRNE, A.B. Harvard, 1907.....	Oyster Bay, L. I.
ROTHSCHILD, MARCUS ADOLPHUS, A.B.....	Woodville, Miss.
ROYCE, CLAYTON ELBERT, A.B. Dartmouth 1908.....	Woodstock, Ver.
SCHROEDER, LOUIS CLAUSEN.....	New York City
SCOTT, FREDERICK WILSON, A.B. Rutgers 1907.....	New Brunswick, N. J.
SHAPIRO, ISIDOR F.....	New York City
SHEINMAN, LOUIS.....	New York City
STETSON, RUFUS EDWIN, A.B. Bowdoin 1908.....	Damariscotta, Me.
STOWELL, DAVID DUDLEY, A.B. Colgate 1907.....	New York City
SULLO, NICHOLAS ALFRED.....	New York City
SUMNER, CYRIL, A.B. Yale 1907.....	Rochester, N. Y.
THORPE, BURTON DURRELL, A.B. Dartmouth 1908.....	Lisbon, N. H.
VIETOR, JOHN ADOLF, A.B. Yale 1907.....	New York City
WALKER, ROSCOE, B.S. Oklahoma 1909.....	Pawhuska, Oklahoma
WARD, MARK HOPKINS, A.B. Amherst 1906.....	Medford, Mass.
WURTHMANN, JOHN WILLIAM, Phar.D. N. Y. Coll. of Pharmacy 1906..	New York City

Third Year—Class of 1911..... 69

#### SECOND YEAR—CLASS OF 1912

ADEE, DANIEL DEMAREST.....	Brooklyn, N. Y.
ARMSTRONO, DONALD BUDD, Ph.B., Lafayette College 1908.....	Easton, Pa.
ARONOWITZ, GREGORY.....	Brooklyn, N. Y.
ASCHNER, PAUL WILLIAM (Senior Columbia College).....	Brooklyn, N. Y.
BAKER, ELMER WAYNE, [A.B. Princeton 1908.....	Jamaica, N. Y.
BANNON, WILLIAM JOSEPH.....	Westerly, R. I.
BARRETT, PAUL SYDNEY.....	Brooklyn, N. Y.
BECK, DAVID.....	New York City
BELDEN, FRANK MILTON, B.S. Amherst, 1895.....	Brooklyn, N. Y.
BISHOP, FRANK WARNER (Senior Columbia College).....	New York City
BLEIER, EDWARD, B.S. C. C. N. Y. 1908.....	New York City
BORTONE, FRANK.....	Newark, N. J.
BRIM, CHARLES.....	New York City
CARBER, FRANK HOUGH.....	Newton, N. J.
CASSASA, CHARLES STEPHEN BARTHOLOMEW, A.B., Fordham, 1908.....	Long Island City, N. Y.

CONKEY, OGDEN FETHERS, A.B. St. Lawrence Univ. 1908.....	Canton, N. Y.
COOPER, FREDERICK STURGES (Senior Columbia College).....	Mount Vernon, Ohio
COULTER, CALVIN BREWSTER, A.B. Williams 1907, A.M. Princeton, 1908...	Chicago, Ill.
CROUZE, ALBERT PIERRE (Senior Columbia College).....	Bayside, N. Y.
CUTLER, CONDUCT WALKER, JR. (Senior Columbia College).....	New York City
DUBOFF, WILLIAM SAMUEL.....	Brooklyn, N. Y.
FISHER, LEON GABRIEL.....	New York City
FRANKLIN, ISADOR HAROLD.....	Jersey City, N. J.
GEROW, AULDER LEOPOLD, A.B. Univ. of N.B. 1908.....	Fredericton, N. B.
GILDERSLEEVE, JOHN ANDREW, A.B. Amherst 1908.....	Mattituck, N. Y.
GITLOW, SAMUEL.....	Astoria, N. Y.
GOLDMAN, SAMUEL.....	Brooklyn, N. Y.
HALPERN, THEODORE, A.B. C. C. N. Y. 1908.....	New York City
HEAGY, FRANCIS WENGER, A.B. Princeton, 1908.....	Cochranville, Pa.
HERRING, HAROLD MANDEVILLE.....	New York City
HIBBS, DAVID LACY, A.B. William Jewell, A.M. Brown 1908.....	Williamsburg, Ky.
IRVIN, JOHN SHEPHERD, A.B. Harvard, 1908.....	Philadelphia, Pa.
JENNINGS, EDWARD ALLEN, Ph.B. Wesleyan Univ. 1907.....	Ph.B. Wesleyan Univ.
KANTOR, JOHN LEONARD, A.B. 1908.....	New York City
KATZ, SYDNEY MILTON.....	Brooklyn, N. Y.
KEIL, GEORGE WILLIAM.....	New Rochelle, N. Y.
KENNEDY, ROBERT HAYWARD, A.B. Amherst 1908.....	New York City
KLAUS, HENRY.....	West Hoboken, N. J.
KNAPP, CHARLES WHITTEMORE, A.B. Yale 1908.....	New Haven, Conn.
KRONMAN, DAVID EDWARD (Senior Columbia College).....	Brooklyn, N. Y.
LAWSON, GEORGE CONDÉ, A.B. Rutgers 1908.....	Linlithgo, N. Y.
LIEBMAN, LESTER MYRON.....	New York City
LISS, IRVING EDWARD.....	New York City
LOPEZ, ENRIQUE ALONSO, B.S. Salamanca University 1904.....	Valladolid, Spain
MCCROCKEN, JOHN JOSEPH.....	New York City
MCCURDY, URIAH FRED, B.S. Univ. of Washington 1908.....	Seattle, Wash.
MCLEAN, EDWARD HUNTINGTON, A.B. Princeton 1908.....	Grant's Pass, Oregon
MANHEIMS, PERRY JEFFERSON.....	New York City
MENDELSON, ABRAHAM.....	New York City
MOUNT, FRANK REID, A.B. Univ. of Oregon 1908.....	Olympia, Wash.
MURRAY, CLAY RAY.....	New York City
MURRAY, HARRY FREEBLING.....	Narrowsburg, N. Y.
NAMMACK, CHARLES HALPIN, A.B. 1909.....	New York City
NILSON, SIEGFRIED JOHANNES.....	New York City
O'REILLY, JAMES ALOYSIUS.....	New York City
O'REILLY, VINCENT LAWRENCE, A.B. Fordham 1908.....	New York City
PEARCE, GEORGE GIRDWOOD.....	New Bedford, Mass.
PICKHARDT, OTTO CARL, A.B. Yale 1908.....	New York City
RAFFIE, SINORE MAZAFFAR, B.S. Univ. of Chicago 1909.....	Kashan, Persia
RAGAN, WILLIAM EUGENE, JR., A.B. Univ. of Ga. 1904.....	Atlanta, Ga.
RAVICH, ABRAHAM, A.B. C. C. N. Y. 1908.....	Aqueduct, L. I., N. Y.
RILEY, HENRY ALSOP, A.B. Yale 1908.....	New York City
ROSENZWEIG, SAMUEL BERNARD.....	New York City
ROTH, LEO (LIPÓT).....	Budapest, Hungary
SCHWARTZ, ALFRED ALEXANDER.....	New York City
SEIDLER, VICTOR BAYARD.....	Newark, N. J.
SHLIMBUM, SOLOMON.....	New York City
SIDBURY, JAMES BUREN, A.B. Trinity, N. C., 1908.....	Holly Ridge, N. C.
SIRGEL, THEODORE MORRIS, B.S. C. C. N. Y. 1902.....	New York City
SIMON, MORRIS.....	Passaic, N. J.
SMITH, MARTIN DEFOREST, A.B. 1909.....	Kingston, N. Y.



STEINMETZ, FREDERICK CHARLES, A.B. 1909.....	New York City
STOUT, ARTHUR PURDY, A.B. Yale 1907.....	New York City
THOMPSON, LAURANCE MILLS .....	New York City
UNGER, ABRAHAM, B.S. C. C. N. Y. 1908.....	New York City
VAN KLEECK, EUEN (Senior Columbia College).....	New York City
WEEKS, WEBB WILLIAM (Senior Columbia College).....	Corry, Pa.
WELLINGTON, HAROLD WENTWORTH.....	East Braintree, Mass.
WHITE, CHARLES CARROLL.....	Utica, N. Y.
WHITE, WM. CRAWFORD, B.S. Wesleyan Univ. 1908.....	Hoboken, N. J.
WHITMAN, ARMITAGE, A.B. Harvard 1908.....	New York City
WILDMAN, HENRY VALENTINE, JR. (Senior Columbia College).....	New York City

Second Year—Class of 1912..... 73

Seniors from Columbia College..... 9

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## FIRST YEAR—CLASS OF 1913

ADAMS, LEOPOLD.....	New York City
BABCOCK, JAMES WOODS, Litt.B. Rutgers 1909.....	Jersey City, N. J.
BONNLANDER, VINCENT CHARLES, A.B. 1908.....	New York City
BOWLES, FRANK CARROLL, A.B. Central College 1902 .....	Fayette, Mo.
BRANCATI, CHARLES.....	New York City
BROTHERS, JAMES H., JR.....	Newark, N. J.
BRUNO, ALEXANDER.....	New York City
BURKE, EDGAR (Junior Columbia College).....	South Orange, N. J.
CARLISLE, JOHN HOWE, A.B. Williams 1909 .....	Passaic, N. J.
CARR, CHARLES EDMUND, A.B. Indiana 1908.....	Bayonne, N. J.
CARR, FRANK CLYDE.....	Bayonne, N. J.
CASALE, JOHN BAPTIST.....	Newark, N. J.
CHANDLER, CHARLES PORTER, A.B. Amherst 1909 .....	Montpelier, Vt.
CHAPLIN, HUGH, Litt.B., Princeton 1909 .....	Ridgewood N. J.
COLLICA, JEFFREY DANIEL CHARLES .....	New York City
CORRY, ROBERT THOMAS.....	New York City
DOWD, HEMAN LAWRENCE, A.B. Princeton 1909 .....	Orange, N. J.
ESTRIN, HARRY JOSEPH.....	New York City
FAULKNER, CLARENCE SANFORD, A.B. Oberlin 1909.....	Sherburne, N. Y.
FEINBERG, MOSES MURRAY, A.B. C. C. N. Y. 1909.....	New York City
FRUCHTMAN, FRANK, B.S. C. C. N. Y. 1908.....	Brooklyn, N. Y.
GAUL, WILLIAM HENRY, Ph.C. 1909.....	Yonkers, N. Y.
GILIBERTI, VINCENT.....	New York City
GOLDBERG, HARRY.....	New York City
GOMEZ, ROBERTO, A.B. Univ. of Chili 1908.....	Santiago, Chili
GRATTAN, JAMES FRANCIS, A.B. C. C. N. Y. 1909.....	New York City
GRIESEMER, ZADOC LAWRENCE, A.B. Muhlenberg 1904 .....	Roselle, N. J.
GRIFFITH, PERCY LE ROY, E.E. 1903.....	New York City
HALLER, DAVID ALEXANDER, A.B. Hampden Sidney, 1908.....	Pocahontas, Va.
HAND, CORTLAND KIERNAN.....	Mt. Vernon, N. Y.
HAYS, LESLIE ST. CLAIR, A.B. Presbyterian (S. C.) 1906.....	Clinton, S. C.
HETZEL, WILLIAM BARR, A.B. Princeton 1909.....	Pittsburg, Pa.
IORIO, EMILE FILIBERTI.....	Brooklyn, N. Y.
JACOBSON, FRITZ IVAN CONSTANTINE, B.S. Upsala 1909.....	Brooklyn, N. Y.
JOST, THEODORE ARTHUR, Ph.C. 1907.....	Mt. Vernon, N. Y.
KNIGHT, WILLIAM ALLEN, B.S. Drury 1907.....	Conway, Mo.
KUNSTLER, MONROE B. (Junior Columbia College) .....	New York City
LEIFFER, JOHN HENRY.....	Jersey City, N. J.
LE SEUR, HORACE HUTCHINS.....	Batavia, N. Y.
LEVINE, SOLOMON.....	Brooklyn, N. Y.

LIEBERMANN, LEO, Ph. C. 1909.....	New York City
LOGGINS, JAMES A., A.B. Park 1909.....	Devine, Texas
LOWENS, HARRY.....	New York City
LUBARSKY, DAVID ARTHUR.....	New York City
MACKENZIE, GEORGE MINER, A.B. 1907.....	Dobbs Ferry, N. Y.
MACPHERSON, GEORGE W.....	New York City
MCWILLIAMS, NORMAN BEATTIE, A.B. Princeton 1909.....	Ossining, N. Y.
MAYER, EDGAR, A.B. C. C. N. Y. 1909.....	New York City
MAZURKIEWICZ, WLADYSLOW STANISLAU.....	Brooklyn, N. Y.
MEBANE, TOM SPERRING.....	Wilkesbarre, Pa.
MINERVINI, VIRGINIUS.....	New York City
MOITRIER, WILLIAM, JR. (Senior Columbia College).....	Brooklyn, N. Y.
O'LEARY, JOHN GEORGE, A.B. Georgetown 1895.....	Canandaigua, N. Y.
OLIVER, ROGERS KING.....	Atlantic Highlands, N. J.
PALEG, SAMUEL.....	New York City
PETERS, JOHN PUNNETT, JR., A.B. Yale 1908.....	New York City
PFEIFFER, ALFRED LESLIE.....	New York City
PIPPS, WILLIAM GILES.....	Mt. Vernon, N. Y.
PIERCE, ALBERT FRANCIS, JR. A.B. Amherst 1909.....	Ossining, N. Y.
PLOTZ, HARRY.....	Brooklyn, N. Y.
POTTEK, HOWARD WIELAND.....	Elizabeth, N. J.
RHETT, WYTHE MUMFORD, B.S. Virginia Military Inst. 1909.....	Columbus, Miss.
ROSENTHAL, NATHAN.....	Spotswood, N. J.
RUNGE, OTTO ERNEST (Junior Columbia College).....	Brooklyn, N. Y.
SAGARINO, JOHN FRANCIS, Ph.B. Yale 1909.....	Hartford, Conn.
SANGHEE, HENRY KARL, A.B. Lafayette 1908.....	Haddonfield, N. J.
SASSULSKY, ISIDOR.....	Brooklyn, N. Y.
SCHWERD, FREDERICK M.....	New York City
SHAPIRO, ISADOR F. (Junior Columbia College).....	New York City
SHIRLEY, AMOS REGINALD.....	New York City
SIMMONS, EDWARD BURNSIDE, B.S. Colgate 1906.....	Worcester, Mass.
SIMPSON, WILLIAM, A.B. Lafayette 1909.....	Wilmington, Ill.
SKEEL, HENRY ROBERTSON, A. B. Wesleyan 1909.....	New York City
STEFFEN, WALTHER CHARLES AUGUST.....	College Point, N. Y.
STEPHENS, RICHMOND (Junior Columbia College).....	New Brighton, N. Y.
STICKLES, LLOYD (Junior Columbia College).....	Newark, N. J.
STILLMAN, ERNEST GOODRICH, A.B. Harvard 1907.....	New York City
STRAUSS, SPENCER GOLDSMITH, A.B. Cornell 1909.....	New York City
SUMEREL, SPURGEON WALTER, A.B. Presbyterian (S. C.) 1906.....	Clinton, S. C.
SWIFT, SAMUEL, A.B. Yale 1908.....	New York City
TAYLOR, FENTON, A.B. Harvard 1909.....	New York City
TENNEY, ASHTON MELVILLE.....	Granville, N. Y.
THORBURN, GRANT, A.B. Princeton 1909.....	Rockaway, N. J.
TUNISON, EMORY HOWARD.....	Brooklyn, N. Y.
UNGER, LESTER JARECKY, A.B. C. C. N. Y. 1909.....	New York City
WARD, DELANCEY WALTON, Ph.B., Ph.D. Columbia.....	Flushing, N. Y.
WIGGERS, AUGUST FRANK ALBERT, Phar.D. 1899.....	New York City
WILLIAMS, JESSE FEIRING, A.B. Oberlin, 1909.....	Kenton, Ohio
WILLIAMS, JOHN EDWARD.....	Roselle Park, N. J.
WINSLOW, THOMAS SCUDDER, A.B. Williams 1909.....	Poughkeepsie, N. Y.

First Year—Class of 1913..... 83

Juniors and Seniors from Columbia College..... 7

NON-MATRICULATED STUDENTS

BELAVAL, JOSÉ S., A.B. Univ of Madrid, M.D. Jefferson Med. Col.	San Juan, P. R.
BRANOWER, WILLIAM, M.D. 1904	New York City
BYRNE, JOSEPH, A.B. Royal Univ. of Ireland 1890, A.M. St. Francis Xavier New York 1893, LL. B. New York Law School 1900, M.D. 1895	New York City
COCKRELL, BENJAMIN ALISON, A.M. Kentucky Wesleyan 1905, M.D. Univ. of Louisville 1908	Winchester, Ky.
DAY, FESSENDEN L., A.B. Bates 1890, M.D. New York Medical 1893	New York City
KAVANAGH, WILLIAM JAMES, B.S. Villanova 1895, Balto. Sch. of Med. 1899	Brooklyn, N. Y.
LEE, HENRY MOWER, M.D. 1898	New London, Conn
MACADAM, EDWARD WALLACE, M.D. New York Hom. Med. Col. 1907	New York City
PERKINS, CHARLES EDWIN, M. D. 1888	New York City
RUSHMORE, JACQUES CORTELYOU, A.B. Williams 1899, M.D. Long Island Col. Hosp. 1903	Brooklyn, N. Y.
SHERMAN, BYRON GRANT	Putnam, Conn.
SMITH, FRANK ASHTON, M.D. Hahneman, Chic., 1909	Evanston, Ill.
STOHLMAN, WILLIAM FREDERICK, A.B. Princeton	Brooklyn, N. Y.
TADESCO, GUGLIELMO, M.D. Univ. of Turin, Italy, 1899	New York City
WAHCHIED, ARTHUR JOHN, M.D. Dartmouth 1896	Weehawken, N. J.
WINSLOW, HENRY	New York City
Non-matriculated	16

SUMMARY

Fourth Year—Class of 1910	69
Third Year—Class of 1911	69
Second Year—Class of 1912	73
First Year—Class of 1913	83
Non-matriculated (Special Students)	16
	<hr/> 310
Juniors and Seniors from Columbia College	16
	<hr/>
Total	326

# THE SCHOOLS OF MINES, ENGINEERING, AND CHEMISTRY

## The Faculty of Applied Science

### Officers of the Faculty

Mr. GOETZE..	Dean and ex-officio Member of the University Council
Professor WOOLSON.....	Secretary
" MUNROE..	(Term expires 1910)..Elected Delegate to the University Council
" BOGERT..	(Term expires 1911).....Elected Delegate to the University Council

### Standing Committees

COMMITTEE ON PROGRAM OF STUDIES: The Dean (Chairman), Professors Van Amringe, Peele, Lovell, and Lucke.

COMMITTEE ON ADMISSIONS: Professors Mayer and Black.

### The Faculty

President BUTLER	Professor GRABAU
Mr. GOETZE	" MAYER
Professor VAN AMRINGE	" WOOLSON
" CHANDLER	" <sup>3</sup> KEYSER
" MUNROE	" PARKER
" MOSES	" MEYLAN
" KEMP	" LUQUER
" PEELE	" <sup>1</sup> PFISTER
" <sup>3</sup> HALLOCK	" H. C. SHERMAN
" <sup>1</sup> CROCKER	" WILLS
" PUPIN	" TUCKER
" BURR	" BLACK
" FISKE	" LUCKE
" JACOBY	" RAUTENSTRAUCH
" HOWE	" CAMPBELL
" PELLEW	" KURTZ
" LOVELL	" CURTIS
" SEVER	" WALKER
" MACLAY	" JONES
" BOGERT	" PEGRAM
" J. L. R. MORGAN	" DAVIS

Professor RUNGE

<sup>1</sup> Absent on leave 1909-10.

<sup>3</sup> Absent on leave second half-year.

## COURSES

The Faculty of Applied Science has charge of the following schools:

The SCHOOL OF MINES, with four-year courses leading to the degrees of Engineer of Mines and Metallurgical Engineer.

The SCHOOLS OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

The SCHOOL OF CHEMISTRY, with four-year courses leading to the degrees of Chemist and Chemical Engineer.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year.

The courses in the School of Mines in particular are so arranged that the student can emphasize the engineering, the metallurgical, or the geological side of his profession.

A course in Sanitary Engineering (leading to the degree of Civil Engineer) is provided for those who wish to prepare themselves for this important branch of civil engineering. The organization of a course in Forestry is under consideration, and it is hoped that in the near future a four-year professional course in Forestry, leading to the degree of Forest Engineer, will be established.

Candidates for a professional degree who have some special end in view are sometimes permitted to vary the regular course by substituting for the courses ordinarily prescribed, courses for other degrees offered under this Faculty. Students holding an academic degree who become candidates for the degree of Master of Arts or Doctor of Philosophy may offer work in one or more of these branches of technology either as a major or a minor subject under the Faculty of Pure Science and will be given opportunity for special study and investigation.

(See page 181)

## ADMISSION

### Collegiate Preparation Recommended

The liberal training offered by a preliminary Collegiate Course is quite as important to engineers, metallurgists, and chemists as to lawyers, physicians, or clergymen, and is strongly recommended by the Faculty of Applied Science. This, however, does not and should not involve a residence of eight years in college and technical school before a candidate receives the professional degree.

A graduate of any good college who has selected his course with reference to future work in applied science is able to complete the



requirements for a degree in the Schools of Mines, Engineering, and Chemistry in three years or less after receiving the Bachelor's degree. The opportunities for close articulation between Columbia College and these schools are particularly good.

### **Requirements for Admission for Students without Collegiate Preparation**

(See page 171)

#### **Admission to Advanced Standing**

The uniform first year in the Schools of Mines, Engineering, and Chemistry, and the efficient coördination of the subsequent years, make it possible for graduates of colleges and scientific schools to enter Columbia University with advanced standing and to complete the requirements for a professional degree without undue delay through conflicts and other causes. It is very desirable, however, that students in other colleges who are planning to take professional work after graduation should get into correspondence with the University as early as possible. If this is done they may receive advice with regard to the most advantageous collegiate subjects to elect, and also with regard to the summer courses of Columbia University. By taking certain summer work at the University in advance, a student sometimes may save six months or a year in entering upon his professional career. A separately printed leaflet on admission to advanced standing in these Schools will be sent on application to the Secretary of the University.

Candidates for admission to advanced standing should make application in writing to the Chairman of the Committee on Undergraduate Admissions in time to reach him before September 12, 1910.<sup>1</sup> The application must be accompanied by properly certified official statements of his standing in the subjects which he offers.

The Committee will notify the candidate at the address given in his letter, between September 13 and 17, 1910, what courses of those offered, are accepted as equivalent to courses at Columbia University. In general, the Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate should present himself at regular fall examinations during the two weeks immediately preceding the opening of the University (in 1910, September 19-26). For courses in which no regular fall examination is held, the candidate should report at the office of the Dean. The schedule of fall examinations is to be obtained from the Registrar. A fee of \$5 is charged for these examinations, to all applicants who do not take them at the regular time.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

<sup>1</sup> When the candidate is at a considerable distance from the University, his application should be made as early as possible in order that he may receive the reply in time to present himself at the University on September 19, 1910.

It is suggested that candidates deficient in one or more entrance subjects in June, or who desire to make up first and second year subjects, arrange to take courses in them in the Summer Session of Columbia University, beginning on July 6, 1910, the Announcement of which will be sent upon application to the Secretary of the University.

#### **Admission to Special Courses**

Graduates of the Schools of Mines, Engineering, and Chemistry, and of other institutions of equal grade may pursue any subjects taught in the schools for which they are properly qualified.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others. (For the general regulations as to non-matriculated students, see corresponding section on page 191).

#### **Registration and Fees**

(See page 38, *et seq.*)

#### **Fellowships and Scholarships**

(See page 411)

#### **Rules Governing Students**

1. A student cannot be a candidate for more than one professional degree at the same time.

2. A candidate for a degree must comply with all requirements in force at the time said degree is conferred.

3. A student will be permitted to substitute one subject for another provided he obtains the consent of the Dean, the heads of departments concerned, and the head of the department giving the technical instruction leading to the degree.

4. A student absent from more than one-tenth of the required exercises will be debarred from examination in that subject. No student shall be exempt from this regulation except by action of the Committee on Instruction.

5. After examinations have been held, officers shall send to the Registrar a list of all students who have attended their courses, indicating proficiency by numbers on a scale of 10, a mark below 6 signifying a failure to pass. Reports of standing will be sent to First and Second year students every five weeks and to the Third and Fourth year students at the end of each term. Copies of all reports are at the same time sent to the Dean, the Faculty Adviser and to the parent or guardian of each student.

6. A student who has failed in any subject shall not be permitted to take advanced studies for which such failure indicates a lack of necessary preparation.

7. Regular examinations may be held at the end of the 1st and 2d term or both, or at the completion of any course.

8. Special examinations for students debarred or deficient at regular examinations shall be held during the two weeks in September preceding the opening of the next following academic year; and for members of the fourth class, in subjects belonging to that year only during the first week in May.

9. The fee for special examination is \$5.00, which must be paid before admission to examinations. If a student have special examinations in several subjects (during the same examination period), only a single fee of \$5 shall be paid.

10. A student failing to pass in any subject at the regular examinations must present himself for special examination as provided under Rule 8.

Failing to pass the second examination, he must repeat the subject with the next class. Failing a third time to pass a satisfactory examination he shall be dropped from the roll of the School.

11. Absence from any regular or special examination provided for in Rules 7 and 8 shall count as a failure unless excused by the Dean for reasons of weight.

12. A student shall be enrolled in the class in which the majority of his hours are taken; provided, however, that no student shall be advanced from the first to the second class who has entrance conditions aggregating 2 units; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be advanced to the fourth class who has any entrance conditions or any deficiencies of the first or second years.

13. Any student who shall have passed a satisfactory examination in Columbia College in any subject forming a part of one of the professional courses in the Schools of Mines, Engineering, and Chemistry will not be required to pursue that subject a second time.

14. During vacations following the close of the second and third years, memoirs on assigned subjects must be prepared by students in the course of Metallurgy, Civil Engineering, Electrical Engineering, Mechanical Engineering, Chemical Engineering, and Chemistry (see Departmental Statements, pages 52-170). The time specified for the completion and handing in of memoirs is the first Monday in November.

A student failing to hand in his memoir, drawings or other summer work shall be considered to have failed; to have his work received later, he will be obliged to pay a fee of \$5.00, as for a special examination.

15. By permission of the Dean, and concurrence of the heads of departments concerned, a student may attend subjects not required

for his degree, provided such attendance does not interfere with his regular work. He must fulfil all the requirements exacted from regular students in such course.

#### Admission on Probation

Every first-year student admitted conditionally will be held under probation during the first half-year of residence. So far as possible students on probation are given the opportunity in Columbia College or in the Department of Extension Teaching, to make good their deficiencies. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark of 7 or higher, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the course. Any condition not so removed must be satisfied by formal examination.

#### Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

Chemistry, page 68.  
 Civil and Sanitary Engineering, page 74.  
 Electrical Engineering, page 92.  
 Geology, page 100.  
 Mechanical Engineering, page 122.  
 Metallurgy, page 125.  
 Mineralogy, page 127.  
 Mining, page 128.  
 Physics, page 151.

#### Chemical and Assay Apparatus

(See page 72)

### SUMMARY OF PROFESSIONAL COURSES OF STUDY

NOTE: Detailed tabular arrangements of each year of these courses will be found in the *Announcement of the Schools of Mines, Engineering, and Chemistry*. (See also Departmental Statements, pages 52-170.)

#### Uniform Curriculum for the First Year

The curriculum for the first year of the four-year courses leading to the degrees of Engineer of Mines, Metallurgical, Civil, Electrical, Mechanical, and Chemical Engineer and Chemist is the same in every respect and the student entering the first-year class need not declare which course he will follow until the end of the year, when he will



have the advantage of the experience gained during the first year's work, where uncertainty exists respecting inclination or natural bent.

As will be seen in the tabular statement given below this first year is mainly devoted to a thorough grounding in mathematics, physics, and chemistry, the three fundamental subjects which form the indispensable basis for all broad and successful engineering work, not only in the remaining years of the course, but throughout the entire professional career. Specialization begins to some extent in the second year and becomes more marked in the third and fourth years.

<i>First Half-Year</i>		Hours per week	
		Class	Lab'y
Chemistry 3	General Inorganic Chemistry	4	14
Drafting 1	Engineering Drafting	1	
Drafting 3	Descriptive Geometry	3	
Mathematics 3	Analytical Geometry	3	2
Phys. Educ. A	Gymnasium		
Physics 3	Elementary Mechanics, Properties of Matter and Heat	5	
Total..		16	16
<i>Second Half-Year</i>			
Civil Eng. 2	Theory of Surveying	2	13
Chemistry 4	General Inorganic Chemistry	3	
Chemistry 62	Qualitative Analysis	4	
Mathematics 2	Spherical Trigonometry	2	2
Mathematics 4	Analytical Geometry	3	
Phys. Educ. A	Gymnasium		
Physics 4	Light, Sound, Electricity and Magnetism	3	
Total..		17	15

SUMMER WORK: Civil Eng. 15. Five weeks of surveying practice.

The class is arranged in two divisions, Division B completing engineering drafting and descriptive geometry in the first term while Division A is completing qualitative analysis, the two divisions reversing the operation in the second term. This plan secures greater concentration of work; it facilitates the transfer of students to advanced standing from other institutions; and it enables well prepared students entering in February and taking advantage of the University Summer Session to catch up with their class by the following autumn.

To secure the most effective individual instruction the class is also divided for quizzes and recitations into six, eight, and in some cases twelve sections.

#### Leading to the Degree of Engineer of Mines

The four-year course leading to the degree of Engineer of Mines is intended primarily to train men to undertake the development of mineral properties, the design and construction of mine plants, and



to manage mines. The course includes training in metallurgy. It is necessarily a broad one, comprising a wide range of studies in pure and applied science, and for this reason is frequently taken by students desiring a general scientific training.

The subjects most emphasized in this course are mining, metallurgy, geology, and engineering.

Metallurgy requires knowledge of inorganic and applied chemistry, qualitative and quantitative analysis, and assaying.

Geology must carry with it preliminary training in crystallography, mineralogy, and petrography.

Engineering in all its branches needs a fundamental knowledge of mathematics, physics, and mechanics and thermodynamics. The proper design and construction of mining plants involve the study of certain branches of civil engineering, and the many and increasing applications of machinery to mining make it necessary to give much time to the theory and practice of mechanical and electrical engineering.

#### **Leading to the Degree of Metallurgical Engineer**

This course, which covers four years, is intended for those who expect to follow metallurgical work and become trained metallurgists in any of the branches of the profession. For the first two years much attention is paid to a thorough training in fundamental subjects, especially in mathematics, chemistry, physics, geology, mineralogy, and preliminary courses in engineering. In the third year instruction in metallurgy is begun both by lectures and in the laboratories, while courses in engineering, especially mechanical engineering, chemistry, and geology, are also provided for. The fourth year is devoted largely to advanced courses in metallurgy, and great stress is laid on giving, by laboratory work, familiarity with difficult high temperature conditions of metallurgy, skill in microscopic and pyrometry and training in execution and in the interpretation of the results developed. At the same time attention is devoted to the higher branches of engineering and chemistry and to important courses in mining engineering which are considered necessary.

In the summer schools, carefully arranged courses in general surveying, in railroad work, geological field work, and visits to metallurgical works are provided for. In the six weeks summer courses at metallurgical works, the students are required to carefully study processes, make dimension sketches of furnaces and mills, and by observation and instruction are given a thorough understanding of metallurgical operations as conducted at the present time.

#### **Leading to the Degree of Civil Engineer**

The courses of study given in the Department of Civil Engineering are so formulated as to constitute broad educational training of a

professional character for students intending to follow the practice of civil engineering or such other affiliated callings as may be based more or less upon the various branches of civil engineering. These courses of study can be taken more advantageously if the student has had a preliminary general training equivalent to that of an ordinary college course although that condition is not a requisite. Through these courses of study there is set forth a thorough grounding in the fundamental principles of engineering science as the first essential, supplemented, however, by constant exercises in the application of those fundamental principles to all the operations of the civil engineer, involving structures, machines, and processes connected with the adaptation and transmission of power for industrial and other purposes.

### *Sanitary Engineering*

The course in Sanitary Engineering is a differentiation from the regular course in Civil Engineering and naturally leads, therefore, to the same degree. The first year is identical with the first year of other engineering courses, while the second year is almost identical with the regular second-year work of the course in Civil Engineering. The special extensions in sanitary work are developed in the third and fourth years. It will be found that these sanitary subjects are set forth so as to cover in a thorough and comprehensive way those special fields occupied by the sanitary engineer of the present day. They include the sanitary treatment of water supplies and sewage with special work extended both by lectures and laboratory work into biology and bacteriology, standard laboratory methods in the sanitary administration of public water supplies, drainage, heating, and ventilation and the general principles of sanitary science, public health and hygiene. These sanitary specialties are of advanced character, covering the latest investigations in such special work as daily bacterial tests of potable water for public purposes, the extermination of mosquitoes and other disease-carrying insects, the improvement of public health conditions found in cities and towns, the drainage and sanitary treatment of lands and the sanitary administration of buildings and industrial establishments liable to create nuisances. A graduate, therefore, of this course is qualified to enter the advanced practice of sanitary engineering in all its special fields.

### **Leading to the Degree of Electrical Engineer**

The objects for which the regular four-year course in Electrical Engineering is designed and the education which it is intended to give are fully set forth in the *Announcement*.

The first two years of the course are devoted to the fundamental subjects, including mathematics, physics, chemistry, mechanics, draw-

ing, and certain electrical and mechanical engineering subjects which are elementary or introductory in character.

These fundamental and introductory subjects are intended to lay a broad and substantial foundation upon which the more specialized professional instruction of the third and fourth years is based. Even in these later years theoretical subjects, such as thermodynamics and electrical theory, are included and given most careful attention.

### Leading to the Degree of Mechanical Engineer

The first two years of this course are devoted to essential preparatory and fundamental subjects, mathematics, chemistry, physics, analytical mechanics, and drawing, which are co-ordinated with kinematics, elementary design, shopwork, and the elements of electrical and steam engineering. In the third year there are developed the basic principles of thermodynamics, resistance of materials, and hydraulics, which are fixed in the mind of the student by drill in the drafting room by design courses, in the laboratory by experiments and tests, and in class by analysis of standard mechanical and electrical machinery. The fourth year is devoted to a detailed treatment of gas and steam engine design, standard water turbine characteristics, and the essential relations between units constituting power plants and factories. Special attention is here paid to the economics of mechanical engineering by courses in industrial law, economics, and works management. Throughout the course the aim is to develop clear conceptions of underlying principles, habits of independent thought and orderly mental procedure applicable to any sort of mechanical engineering problems rather than to the memorization of isolated facts.

### Leading to the Degree of Chemical Engineer

The regular four-year course of instruction is designed primarily for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges after pursuing further studies, or as research chemists, chemists or managers in manufacturing and other industrial enterprises.

The course in chemical engineering, as will be seen, is designed to educate chemists with a sufficient amount of engineering to fit them to take charge of chemical works which depend largely on the use of machinery. This requires a knowledge of mechanical engineering, electrical engineering, hydraulics, mechanical drawing, shopwork, etc., as well as a thorough knowledge of chemistry in all its branches. Such an education qualifies a man to act as manager of gas works, sugar refineries, dyeing and calico-printing establishments, electro-chemical works, etc.

### **Leading to the Degree of Chemist**

The regular four-year course of instruction is designed for the education of professional chemists who intend to devote their lives to the practice of this profession, either as teachers in colleges and scientific schools, after further preparation, or as chemists or research chemists in manufacturing and other industrial enterprises.

The course in chemistry includes not only all branches of theoretical, analytical, and industrial chemistry, but also collateral sciences, such as mathematics, mechanics, physics, mineralogy, metallurgy, mechanical and electrical engineering, and drawing, which have been found by experience to be required by the professional chemist. It is the intention to provide the graduate not only with a thorough knowledge of the principles and practice of chemistry in all its branches, but with such a broad and liberal education in the collateral sciences as will prepare him for every demand that will be likely to be made upon him in connection with his profession or in the pursuit of investigation.

## REGISTER OF STUDENTS

### Schools of Mines, Engineering, and Chemistry

NOTE.—Only students actually in residence on the date of publication are included in this Register. Matriculated students are classified according to rule 12, page 244. Under this rule some students who will graduate in 1910 and 1911 are enrolled in the lower classes.

#### FOURTH YEAR—CLASS OF 1910

##### MINING ENGINEERING

BROWNE, KENNETH CAULFIELD.....	New York City
CARLISLE, HENRY COFFIN, Ph.B. Yale 1908.....	New Rochelle, N. Y.
COUNSELMAN, THEODORE BENTON.....	New York City
GREENOUGH, WARREN EARL.....	Missoula, Mont.
HAYES-DAVIS, JEPPEPERSON, B. S. Princeton 1907.....	Colorado Springs, Colo.
HIRSH, RALPH TUSKA.....	New York City
HOVER, DAVID LLEWELLYN CARTWRIGHT.....	Washington, D. C.
KANE, JOHN INNES, Ph.B. Yale 1908.....	Ossining, N. Y.
LEE, MONTROSE LUCIUS.....	Cananea, Mexico
MCCONNELL, ROBERT EARLL.....	Durango, Colo.
McKANNA, EDWIN ALEXANDER.....	Oklahoma, Okl.
MALLER, JOHN.....	New York City
MARSH, AUSTIN GERRY.....	Pueblo, Colo.
MENEPEE, ARTHUR B., B.S. Princeton 1907.....	New York City
MOORE, PERRY NORTH, A.B. Harvard 1908.....	St. Louis, Mo.
OBLER, DAVID MORTON, B.S. C. C. N. Y. 1907.....	New York City
O'NEALE, MALCOLM LINDSAY.....	New York City
PARSONS, LEWIS A., Ph.B. Yale 1908.....	Grand Rapids, Mich.
ROSS, GEORGE HILLIARD, A.B. Cornell 1906.....	Edgewater, N. J.
RYPINSKI, JACOB EMANUEL.....	New York City
SCHNEPP, CHARLES F.....	Ridgefield Park, N. J.
SCOTT, THOMAS KLINE.....	New York City
SMITH, ALEXANDER H.....	Glasgow, Scotland
TALLANT, JOHN DRURY.....	San Francisco, Cal.
TOUGH, FREDERICK BEVAN.....	Kansas City, Mo.
TOWNSEND, ROBERT HINCKLEY, A.B. Harvard 1909.....	Cambridge, Mass.
WARDLAW, FRANK A., JR.....	Schroon Lake, N. Y.

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##### CIVIL ENGINEERING

ARKUSH, ELLIS J.....	New York City
BEGGS, GEORGE E., A.B. Northwestern Univ. 1905.....	Ashland, Ill.
BOORMAN, KETCHELL MONCKTON, A.B. 1908.....	New York City
GOLDSTEIN, MORRIS M.....	New York City
GOODKIND, MORRIS, A.B. 1908.....	New York City
MARDER, JOEL DAVID.....	New York City
MARWICK, ROBERT HUGH, A.B. 1906.....	Petrolia, Canada



MERLIS, IRA, B.S. C. C. N. Y. 1907.....	New York City
SANTELICES, DANIEL.....	Santiago, Chili
SOULE, ERNEST W.....	New York City
SPENCER, CHARLES B., A.B. 1907.....	New York City
WEINSTEIN, JOSEPH.....	New York City
WICKENDEN, ALFRED AHER.....	Bethel, Conn.
WILLIAMS, HAROLD.....	New Bedford, Mass.

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## ELECTRICAL ENGINEERING

CARPLES, VICTOR H., A.B. C. C. N. Y. 1904.....	New York City
CLEMONSON, WILLIAM EDWIN.....	Middletown, N. Y.
DELLENBAUGH, FREDERICK S., JR.....	Cragmoor, N. Y.
GRIFFEN, ELLWOOD BURDSALL.....	New York City
GUTHORN, SEYMOUR.....	New York City
HAMANN, ADOLF MARTIN.....	Mt. Vernon, N. Y.
KEATOR, RANDALL MOSS.....	New York City
DI MOISE, GINO B.....	New York City
MULLER, FREDERICK.....	New York City
ROCOUR, GEORGE, Met. E. 1908.....	New York City
SHEARER, CONWAY WING, A.B. Princeton 1904, A.M. 1905.....	New York City
SPRUNG, ABRAHAM.....	New York City
STAFFORD, RAYMOND WRIGHT.....	New York City
TOBIAS, DAVID FRANCIS.....	New York City
WEBSTER, LESLIE STANDARD.....	New York City

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## MECHANICAL ENGINEERING

BOWES, CHARLES MUNTON.....	New York City
EGBERT, HENRY DREW, A.B. 1907.....	New York City
GWIAZDOWSKI, ALEXANDER.....	Suwatki, Poland
HERZOG, DAVID S.....	New York City
VON MALMBORG, CARL ADOLF.....	Stockholm, Sweden
OAKLEY, WALTER WECKERLE.....	Ridgefield, N. J.
SENEL, ARTHUR LIEBER.....	New York City
ZACH, LOUIS MORRIS.....	New York City

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## CHEMICAL ENGINEERING

BAER, SAMUEL.....	New York City
DANIELS, MONROE HELLER.....	New York City
HERRICK, HORACE TERHUNE, A. B. Princeton 1907.....	New York City
LIPSTATE, WADEL ABRAM.....	Tyler, Texas
MALCOMSON, M. D.....	Orange, N. J.
MURPHY, R. K.....	Rochester, N. Y.

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## METALLURGY

DANIELS, CLARENCE WHITE.....	Worcester, Mass.
MERISS, MARION HAWTHORNE.....	New York City

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## CHEMISTRY

STEINSCHNEIDER, WILLIAM.....	New York City
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## FOURTH YEAR—CLASS OF 1910

Mining Engineering .....	27
Civil .....	14
Electrical .....	15
Mechanical .....	8
Chemical .....	6
Metallurgy.....	2
Chemistry.....	1
Total.....	73

## THIRD YEAR—CLASS OF 1911

## MINING ENGINEERING

AYER, FRANCIS ASHTON.....	New York City
BAINS, THOMAS MELLOR, JR.....	Philadelphia, Pa.
BALDWIN, HERBERT VAN VLIERDEN, B.S. Princeton 1905.....	Nyack, N. Y.
BANKS, HAROLD PURDY.....	Boonton, N. J.
BECKER, P. F., B.S. C. C. N. Y. 1907.....	New York City
CARR, HOMER LYMAN, A.B. Oberlin 1907.....	Lakewood, Ohio
COBDEN, RICHARD, JR.....	Larchmont Manor, N. Y.
CORSA, HOWARD PINCKNEY.....	New York City
DICKENSON, ERNEST H., A.B. Laval 1907.....	New York City
DWYER, C. EUSTACE, A.B. 1909.....	New York City
FLETCHER, ARTHUR RANSFORD, A.B. Leland Stanford 1906.....	Vancouver, B. C.
FRANKE, ROBERT, B.S. Cooper Inst. 1908.....	Newark, N. J.
GUITERAS, JOSEPH RAMON.....	Yonkers, N. Y.
HAZZARD, LYNNE FRANKLIN.....	Bisbee, Arizona
HILL, WALTER CHARLES.....	Hagaman, N. Y.
HODGKINSON, HAROLD HOWE.....	Cleveland, Ohio
HOFFMAN, JAMES MILTON .....	New York City
ISEMAN, PERCY R.....	New York City
KIRK, DONALD.....	Axis, Ala.
KOSTER, JOHN WILLIAM.....	Yonkers, N. Y.
LAROQUE, FULGENCE, B. S. Bordeaux 1906.....	Bordeaux, France
LATIMER, EMPIE, B. S. Princeton 1908.....	Wilmington, N. C.
LATIMER, HERBERT RUSSELL, B. S. Princeton 1908.....	Wilmington, N. C.
LEACH, ALBERT ALLYN, JR.....	New York City
LIU, CHIN YIN, B.S. Denison 1908.....	Peking, China
MCCROKEN, EUGENE PAUL.....	New York City
MCGOVERN, RUDOLPH ALOYSIUS.....	New York City
MCKEOWN, SAMUEL ANDERSON.....	New York City
MELITZER, SAMUEL.....	New York City
MENDELSON, ALBERT.....	New York City
MITCHELL, CLARK G., A.B. Yale 1909.....	Denver, Colo.
MORGAN, THOMAS C., A. B. 1909.....	New York City
MULHOLLAND, VINCENT I., A.B. C. C. N. Y. 1902.....	New York City
NEWTON, EDMUND.....	Arkville, N. Y.
O'CONNOR, FREDERICK F., B.S. Univ. Rochester 1907.....	Rochester, N. Y.
PALMER, CHARLES HOWARD, JR., B.S. Harvard 1909.....	Rochester, N. Y.
PALMER, WILLIAM FREDERICK.....	New York City
PATTERSON, RICHARD C., JR.....	New York City
PEYTON, GILBERT SMALL, JR.....	Philadelphia, Pa.
PHELAN, ROBERT EARLY.....	Washington, D. C.
PHILSON, JAMES DE LONG.....	New York City
PIGOTT, CURTIS, Ph.B. Yale 1908.....	Helena, Mont.

RENSHAW, PAUL.....	Noroton, Conn.
ROBERTS, ALFRED MOSS, M. E. Cornell 1909.....	Buffalo, N. Y.
SANGER, ARTHUR C.....	New York City
SAUNDERS, FRANK HAROLD.....	Gloversville, N. Y.
SCOTT, DAVID B., A.B. Williams 1908.....	White Plains, N. Y.
SEELYE, EDWARD EGGLESTON, C.E. Cornell 1908.....	Lake George, N. Y.
SHEARMAN, WILLIAM HUGH.....	New York City
SULLIVAN, CORNELIUS GEORGE.....	Butte, Mont.
THOMPSON, LESTER SEYMOUR.....	New York City
VOLKER, HENRY JOSEPH.....	Ossining, N. Y.
WALLIS, JOSEPH E.....	Beaumont, Texas
WALTERS, RAY EMERSON, A.B. Montana 1905.....	Missoula, Mont.
WILSON, PHILIP D., B.S. Princeton 1909.....	Chicago, Ill.
MORGAN, THOMAS C., B.A. 1909.....	New York City
WRIGHT, WILLIAM RYER.....	New York City

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## CIVIL ENGINEERING

BABCOCK, THEODORE S.....	Pelham Manor, N. Y.
BIGGS, ROBERT WESLEY.....	New York City
BUCHTENKIRCH, WILLIAM ERNST.....	New York City
COLE, HOWARD T.....	Brewster, N. Y.
DEISER, NORMAN ARTHUR.....	New York City
ENGLANDER, HARRY.....	New York City
FINKELSTEIN, MARTIN.....	New York City
HARDER, ERNEST HENRY.....	Newark, N. J.
HERTER, ALBERT.....	New York City
HICKS, CHARLES SELDEN.....	Bayside, N. Y.
JEANNERET, L. E.....	Rutherford, N. J.
KAESTNER, ALBERT C.....	Westchester, N. Y.
KANDEL, CHARLES.....	New York City
KUZMIER, GEORGE PETER.....	Huntington, N. Y.
LAURENT, HOWARD PAUL.....	New York City
LEISER, FERDINAND, JR.....	New York City
LOENING, GROVER CLEVELAND.....	New York City
MARUM, MYRON GILBERT.....	West Orange, N. J.
MEYER, EMIL GUSTAVE.....	New York City
MOTT, FRANK DOUGLAS.....	Peekskill, N. Y.
NOORIAN, NOORI ZADO.....	New York City
OCKERT, FRED WILLIAM.....	New York City
PATERSON, ARCHIE HARTLEY.....	Wingham, Ontario
RIESENBERG, FELIX.....	New York City
RODENBERG, JOHN T.....	New York City
SCHAPIRO, MORRIS, B.S. C. C. N. Y. 1903.....	Union Hill, N. J.
SCHUMACHER, KARL J.....	Lonsdale, R. I.
SNOOK, THOMAS EDWARD, JR.....	New York City
SZANTO, SANDOR SCHWARTZ, B.S. Beregozasz 1904.....	New York City
TUPPER, WILBUR DRAKE.....	East Orange, N. J.
WEISS, BENJAMIN.....	New York City

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## ELECTRICAL ENGINEERING

ACEVES, JULIUS.....	New York City
BROE, ARTHUR LOWREY.....	New York City
CASWELL, EDWARD THOMAS.....	Elmhurst, N. Y.
DESCHERE, PAUL RICHARD.....	New York City

FOELLER, HAROLD CHARLES ESSIG.....	New York City
HALE, JOHN CLARENCE.....	White Plains, N. Y.
HERTZOG, HOWARD SINTON.....	Shamokin, Pa.
HIRSCH, CHARLES MARCEL.....	New York City
HOLMAN, ARTHUR JOHN.....	New York City
KELLER, FREDERICK ROWE.....	Lancaster, Pa.
KINSMAN, RICHARD ELLARD.....	New York City
LIEBOWITZ, BENJAMIN.....	New York City
MCGUINNESS, FRANCIS VINCENT.....	New York City
MURRAY, JOSEPH NORRIS.....	New York City
OSBORN, STANLEY R.....	New York City
POWELL, ALVIN LESLIE.....	Rockville Centre, N. Y.
TÉA, PETER L., B.S. C. C. N. Y. 1908.....	New York City
WEED, DE WITT VANDERBILT, JR.....	New York City

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## MECHANICAL ENGINEERING

AGRAMONTE, PEDRO HENRY.....	New York City
BARBOUR, ROBERT.....	New York City
BAUM, ALBERT LOUIS, A.B. 1909.....	New York City
BAUMEISTER, PAUL ARNOLD.....	New York City
BLUMENFELD, RALPH.....	New York City
BRETTELL, CLINTON.....	New Rochelle, N. Y.
FOGEL, WILLIAM PERCY, JR.....	Rutherford, N. J.
FRAMBACH, FREDERICK STEVENS.....	Ridgewood, N. J.
FREDERICHs, WALTER.....	New York City
GATELY, WILLIAM ALOYSIUS.....	New York City
GUITERAS, JULIUS GEORGE.....	Yonkers, N. Y.
HUBBARD, E.W.....	New York City
JAROS, ALFRED L., JR.....	New York City
JENKINS, HAROLD BREWSTER.....	New York City
KÄTZ, EDGAR JESSE.....	New York City
LACY, FREDERICK THURLOW.....	New York City
LORD, J. WILLARD.....	New York City
MONTGOMERY, G. L.....	New York City
MORROW, ROBERT LEE.....	New York City
PARKER, ARTHUR ROWLEY.....	New York City
RILEY, WELLS LITTLEFIELD.....	New York City
SELLEW, WELLES HAMILTON, A.B. 1909.....	New York City
TAYLOR, STEVENSON PEIRCE.....	New York City
VAUGHAN, LILLIAN LEE, B.E. N. C. College Agr. & Mech. Arts 1906.....	Franklin, Va.
WHEELER, WM. HENRY.....	New Brunswick, N. J.

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## CHEMICAL ENGINEERING

BACH, HENRY MICHAEL.....	New York City
BLUMENTHAL, ALEXANDER S.....	Maywood, N. J.
CORTS, FREDERICK LESTER, B.S. C. C. N. Y. 1909.....	New York City
HANER, CARL, JR., A.B. 1906.....	New York City
HEUMANN, EMIL MICHAEL.....	New York City
LEVY, NATHAN.....	New York City
LOWE, DONALD VAUGHN.....	Englewood, N. J.
SCHLICHTING, LOUIS, JR.....	New York City
Tschudy, EDWARD ALBERT.....	New York City

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## 256 SCHOOLS OF MINES, ENGINEERING, CHEMISTRY

### METALLURGY

ALLEN, HENRY BUTLER.....	Greenfield, Mass.
CLAPP, LAWRENCE RIPLEY.....	New York City
ELDER, FLINT CUMMINGS.....	Malden, Mass.
MAPES, CLARENCE D.....	New York City
WILLIAMS, GRANVILLE MERCER.....	New York City

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### CHEMISTRY

CACICEDO, LUIS, A.B. Valladolid 1902.....	Cienfuegos, Cuba
THOMPSON, ERNEST CHARLES.....	New York City

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### THIRD YEAR—CLASS OF 1911

Mining Engineering .....	57
Civil " .....	31
Electrical " .....	18
Mechanical " .....	25
Chemical " .....	9
Metallurgy.....	5
Chemistry.....	2

Total..... 147

### SECOND YEAR—CLASS OF 1912

#### MINING ENGINEERING

BANGSER, WILLIAM.....	Lebanon, Pa.
BEADLE, JOHN BOOKWALTER.....	Washington, D. C.
BRAENDER, WALTER PHILIP.....	White Plains, N. Y.
BROWN, THOMAS ELLIS, 3d.....	New York City
BROWNING, CARLETON PERKINS.....	Norwich, Conn.
CHAN, YEW YUNG.....	Shanghai, China
CLAGHORN, JAMES LAWRENCE.....	Tacoma, Wash.
CORNWALL, HARRY FORSYTH.....	Short Hills, N. J.
DONOVAN, JAMES.....	New York City
DUB, GEORGE DAVID, B.S. C. C. N. Y. 1909.....	New York City
FARRINGTON, THAYER BOSWELL.....	St. Paul, Minn.
FLAM, ABRAHAM.....	New York City
FLEISCHMAN, LEO EDWIN.....	New York City
GOLDMAN, JOSEPH LASKER.....	New York City
GROSS, M. LEROY.....	Chicago, Ill.
HALL, ALBERT EDWARD.....	New York City
HANKE, ADOLPH GUSTAV.....	Cincinnati, Ohio
HAYS, JOHN ELDER, B.E. Vanderbilt 1909.....	Nashville, Tenn.
HELLER, MILTON WHITE, B.S. C. C. N. Y. 1909.....	New York City
HIRT, EDWARD LOUIS.....	Yonkers, N. Y.
Hsu, SINFOO C.C.....	Hunan, China
JAHN, GUSTAVE ADOLPHUS, JR.....	New York City
KEARNEY, GEORGE SYLVESTER.....	Minneapolis, Minn.
KLEINBAUM, ELIHU NATHAN, B.S. C. C. N. Y. 1909.....	New York City
LICHTENSTEIN, F.....	New York City
LOVEJOY, JOHN M.....	New Rochelle, N. Y.
LYON, WINSLOW, C.E. Penn. Mil. Col. 1909.....	White Plains, N. Y.
McARDLE, WILLIAM HENRY.....	New York City
McCANN, EDGAR OWEN, A.B. St. Ignatius 1903, A.M. St. Mary's 1905.....	San Francisco, Cal.
McLOCHLIN, GEORGE GRAHAM.....	New York City
VAN MANEN, THEODORE CASIMIR.....	The Hague, Holland



MARQUARDT, ERNEST.....	New York City
MOPFETT, JAMES HENRY CLYDE.....	Minneapolis, Minn.
MOORE, JAMES ISAAC, JR.....	New York City
MUDD, HARVEY SEELEY.....	Los Angeles, Cal.
MURIEL, JOSÉ.....	San Luis Potosi, Mexico
DE LA PENA, ERNESTO.....	Saltillo, Mexico
PETERS, GEORGE LAURENCE.....	New York City
PYNE, WALTER FRANKLIN.....	New York City
RANSOM, RASTUS S., JR.....	New York City
RUTHARDT, R. M.....	New York City
SALSBURY, MILTON.....	New York City
SAXMAN, P. MARSEILLES.....	Rosemont, Pa.
SCHEUCH, WILLIAM ALLEN.....	New York City
SCHLOTTMAN, GUSTAVE.....	New York City
SCHMIDT, WILLIAM CHARLES, JR.....	New York City
SEMPLE, ROBERT ALEXANDER.....	Glasgow, Scotland
SETHNA, NANABHOY R., C.E. Bombay 1905.....	Bombay, Ind.
SHAW, GEORGE AUGUSTUS.....	New York City
SIMON, LEON GILBERT.....	New York City
SKINNER, THOMAS WAYNE.....	Dunmore, Pa.
STAIGER, BERTRAM CHAMBERLIN.....	Newark, N. J.
STONE, JOHN CHRISTOPHER.....	New York City
STRIPPEL, ALBERT EDWIN.....	New York City
STROBEL, ROGER L.....	New York City
SUN, HYIENWAY.....	Hangchow, China
SWARTZ, MILTON D.....	Baltimore, Md.
TARANTOUS, RICHARD, B.S. C. C. N. Y. 1908.....	New York City
TASHOF, IVAN POPPERS.....	Washington, D. C.
THOMAS, WILLIAM LEONARD, A.B. Princeton 1907.....	New York City
TONG, YOUNG LEE.....	Shanghai, China
TRILLICH, BERTRAM LAURENCE.....	New York City
WAGNER, F. H.....	Buffalo, N. Y.
WHITWELL, CUTLER BONESTELL.....	New York City
WILSON, TREVETT ABBOT.....	Pelham Manor, N. Y.
WOOD, JAY PENDLETON.....	New York City

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## CIVIL ENGINEERING

ANANIEFF, VLADIMIR.....	Moscow, Russia
BABCOCK, HENRY STODDARD.....	Pelham Manor, N. Y.
BRADLEY, SEYMOUR M., Ph.B. Yale 1909.....	New Haven, Conn.
BROECKMANN, OSCAR WILLIAM ERNEST.....	New York City
BURR, GEORGE LINDSLEY.....	New Canaan, Conn.
BUZBY, ARTHUR DUDLEY.....	New York City
COCCO, MIGUEL ANGEL.....	Puerto Plata, Dominican Republic
DIAZ, MARINO.....	Havana, Cuba
DOLOWITZ, ALEXANDER, B.S. Cooper Inst. 1909.....	New York City
DREYFUSS, ROBERT.....	New York City
ESTRADA, SEBASTIAN.....	Cardenas, Cuba
FERRER, ABELARDO SALVADOR, B.A., B.S. Institute de Matanzas 1903.....	New York City
FRIEDMAN, MORRIS.....	New York City
GLOCK, ALFRED ROBERT.....	New York City
GOLDEN, THEODORE.....	New York City
GOLDSTEIN, SAMUEL.....	New York City
GOODWIN, ELMER C.....	New York City
HADDEN, GAVIN.....	New York City
HANIGAN, HARRY A., A.B. Georgetown 1906.....	New York City

HUNT, RIDGELY, JR.....	New York City
IMMERMAN, HARRY TREADWELL.....	New York City
JONES, WILLIAM B.....	New York City
JOSEPHSON, WALTER SCOTT.....	Roseburg, Ore.
KISLOVSKY, ANDREW.....	New York City
KRIM, SAMUEL SYDNEY.....	New York City
KWAN, KINGPAI.....	Canton, China
LORDLEY, L. CHESTER.....	New York City
MCGINLEY, JOHN JOSEPH, B.S. C. C. N. Y. 1909.....	New York City
McLOUGHLIN, FREDERIC OGANAM XAVIER, B. S. C. C. N. Y. 1909.....	New York City
MALMQUIST, EDWARD A., B.S. Cooper Union 1909.....	New York City
MANCUSI-UNGARO, MANFREDI E.....	Newark, N. J.
MARGOLIS, LOUIS, A.B. C. C. N. Y. 1902.....	New York City
MILLER, FREDERICK.....	New York City
MILLER, WALTER REGINALD.....	New York City
PAPERNO, LEON AARON.....	New York City
PERRINE, HAROLD, A.B. 1908, A.M. 1909.....	New York City
PETERS, WILLIAM RICHMOND, A.B. Yale 1908.....	New York City
PHINNY, HARRY BROUGHAM, JR.....	Yonkers, N. Y.
PITT, STEDDIFORD.....	New Rochelle, N. Y.
RADIGAN, FRANCIS JOSEPH.....	Jersey City, N. J.
ROSE, JOSEPH.....	New York City
SIMON, HENRY.....	New York City
SMITH, JAY LEE.....	New York City
STOLL, MORRIS.....	New York City
VALENTINE, CLAUDE H.....	New York City
VERPLANCK, EDWARD FENNO.....	New York City
VOSKAMP, JOHN A.....	New York City
WEBSTER, JAMES MCB.....	New York City
WELLE, ERERHARD.....	Paterson, N. J.
WILCOX, PHILIP WAKEMAN.....	New York City
WOLFF, CHARLES.....	New York City

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## ELECTRICAL ENGINEERING

ARNSTEIN, WALTER L.....	New York City
BLACK, HENRY SCUDDER.....	New Rochelle, N. Y.
CONNOLLY, WILLIAM F.....	Weehawken, N. J.
DELEHANTY, AMBROSE M., A.B. Holy Cross 1908.....	New York City
FINLEY, CECIL JOHNSTON.....	New York City
HAINES, WILLIAM HOWARD.....	New York City
HALDEMAN, HAROLD WATSON.....	New York City
HAMILTON, BAXTER PERRY.....	New York City
HARRIS, LEVI HERDMAN.....	New York City
LANGLEY, RALPH HERBERT.....	New York City
LASCH, JOHN S.....	New York City
LEVY, LOUIS EDWARD.....	New York City
LOEBENSTEIN, JULIAN.....	New York City
MILLER, RITCHIE CONSTANT.....	Peekskill, N. Y.
NOVOMESKY, EMIL.....	New York City
STERN, KENNETH GIBSON, A.B. Princeton 1909.....	Westfield, N. J.
TORBORG, GERARD RUDOLF.....	New York City
VALLEY, CHARLES COSGROVE VINCENT.....	New York City
WALTER, LOUIS.....	Maspeth, N. Y.
WHITE, WILLIAM COMINGS.....	Englewood, N. J.
WILSON, LE ROY.....	New York City
WRIGHT, ROWLAND GREGORY, A.B. Yale 1909.....	Hancock, Mich.

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## MECHANICAL ENGINEERING

BEHAR, MANUEL.....	New York City
BENSON, C. D.....	New York City
BOWMAN, KENNETH HARKNESS.....	Upper Montclair, N. J.
BRAMBACH, ALOYS.....	Scarsdale, N. Y.
BUTCHER, WILLARD FERRIS.....	New York City
CHERRY, WILLIAM ALEX., JR.....	White Plains, N. Y.
CHUTE, STANLEY JAMES.....	New York City
DAHMAN, WALLACE WERNETH.....	Woodhaven, N. Y.
DAVIS, FRANK RUTLEDGE.....	New York City
DEMOREST, WILLIAM JENNINGS.....	New York City
EDDISON, WM. BARTON.....	Irvington-on-Hudson, N. Y.
ENDICOTT, GEORGE.....	Orange, N. J.
ENTELMANN, JOHN HENRY.....	New York City
EVANS, HERBERT W.....	New York City
FREW, GEORGE HENRY, JR.....	Palisade, N. J.
GEIGER, HERMAN ROLAND.....	New York City
GREENE, HARRY TALMAGE, JR.....	New York City
GREF, WILLIAM HODGINS.....	New York City
GUTIERREZ, CARLOS.....	Santiago, Chili
HAAREN, WM. FREDERICK.....	New York City
HAYNES, JAMES LEROY.....	New York City
HENDERICKSON, NEILS EDWIN.....	New York City
HOLMES, WILLIAM HARRIS.....	New York City
IVES, FRANCIS L.....	New York City
KING, T. EDWARD.....	Sound Beach, Conn.
KIRSCHBERG, MATTHIAS.....	New York City
LEVY, ALFRED K.....	New York City
MACDERMOTT, STEWART S.....	New York City
MCCLELLAND, GEORGE FRASER.....	Berlin, Germany
MCLEOD, ROBERT HENRY.....	Passaic, N. J.
MAYNZ, THEODORE.....	New York City
MORRISS, ARTHUR DUDLEY.....	New York City
MOSHER, EDGAR H.....	New York City
MURPHY, EUGENE ALLSTON.....	New York City
NIEMANN, BERNARD, JR.....	New York City
PINO, ERNESTO, A.B. Havana Institute 1906.....	Havana, Cuba
ROGOWSKI, BRUNO.....	New York City
SCHEDI, FERDINAND CARL.....	Mount Vernon, N. Y.
SMITH, ALFRED J.....	Central Islip, N. Y.
SWALLOW, HOWARD JOHN.....	New York City
TAG, WALTER.....	New York City
TRIPP, WILLIAM ARTHUR, A.B. 1909.....	New York City
VON MUFFLING, ERNEST ADRIAN.....	New York City
WEGENER, FRANCIS ADOLPH.....	New York City
WETJEN, HENRY W.....	New York City

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## CHEMICAL ENGINEERING

BATES, JOHN SEAMAN, A.B. 1908, B.Sc. 1909 Acadia.....	Wolfville, Nova Scotia
CUMMINGS, ARTHUR ROLAND.....	New York City
ESSIG, FRANK THEODORE.....	East Orange, N. J.
HÜTTLINGER, CARL F., A.B. 1909.....	New York City
LAMB, KARL BARRÉ.....	Cresskill, N. J.
LANDOLT, PERCY WILLIAM EDWARD.....	New York City
MAAS, LESTER WALLACE.....	New York City
NORTON, ARIE R., A.B. Colorado 1909.....	Pueblo, Colo.

ORMONT, BERNARD, B.S. C. C. N. Y. 1909.....	New York City
RATNER, ABRAHAM E.....	New York City
READ, HENRY LEWIS, A.B. Yale 1909.....	New York City
ROHN, JULIUS.....	Montclair, N. J.
SCHULTZ, LOUIS CLAUDE.....	Florida, N. Y.
SIMON, CLARENCE.....	New York City
STRUTHERS, ROYDEN TITUS.....	New York City
SUYDAM, JOHN R., JR., A.B. Harvard 1908.....	New York City
THOMPSON, WM. CREEVY.....	Montclair, N. J.
WIENER, FRANK REGINALD, B.S. in Chem, Penn. Mil. Col. 1909.....	New York City
ZUCKERBROT, PHILIP LOUIS.....	New York City

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## METALLURGY

GUITERMAN, KENNETH S.....	Denver, Colo.
HARRIS, ELMER PERCIVAL.....	New York City
LEVISON, STUART.....	New York City

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## CHEMISTRY

CLARKE, JOHN.....	New York City
HOROWITZ, BENJAMIN.....	New York City
LINDEMANN, CARL, JR.....	Hoboken, N. J.
SEIL, GILBERT E.....	Perth Amboy, N. J.
STONE, WYLIE W.....	Benson, Minn.
THOMAS, ARTHUR WALDORF.....	Jersey City, N. J.
THORN, FREDERICK CHARLES.....	New York City

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## SECOND YEAR—CLASS OF 1912

Mining Engineering.....	66
Civil “.....	51
Electrical “.....	22
Mechanical “.....	45
Chemical “.....	19
Metallurgy.....	3
Chemistry.....	7
Total.....	213

## FIRST YEAR—CLASS OF 1913

AHLERS, BRUNO HERMAN.....	New York City
ALLEN, FREDERICK MURDOCK.....	Peekskill, N. Y.
ALLENTUCH, MARX.....	New York City
ARMSTRONG, EDWIN HOWARD.....	Yonkers, N. Y.
ARONIN, ISIDOR.....	New York City
ATKINSON, GUY.....	New York City
BARBERO, GEORGE.....	Rye, N. Y.
BASSECHES, JOSEPH LAZAR.....	New York City
BEEHLER, GEORGE R.....	Philadelphia, Pa.
BEEMER, JAMES GAGE, JR.....	Yonkers, N. Y.
BELL, JAMES EVELAND.....	New York City
BELL, THOMAS PORTER.....	New York City
BERNA, HANS PRATO.....	Ithaca, N. Y.
BISSELL, ALBERT WEST.....	New York City
BISSELL, KARL H.....	New York City
BLAUT, SAMUEL JOSEPH.....	New York City
BOYLE, CORNELIUS A.....	New York City
BRADY, JOHN CASPER.....	New York City

BRATTON, W. NORMAN.....	Hoboken, N. J.
BROMBACHER, MAX HERMAN CONSTANTINE, JR.....	New York City
BURGI, HERMAN.....	New York City
BURKE, FRANK W.....	New York City
BURKHARD, WALTER EDWIN.....	Jersey City, N. J.
BURROUGHS, AMBROSE HAMMET, JR.....	Lynchburg, Va.
CALDER, NORMAN LAWRENCE.....	Johannesburg, S. A.
CARMEL, WILLARD.....	New York City
CARNER, SAMUEL.....	New York City
CARUTHERS, ANTHONY WAYNE.....	Irwin, Pa.
CLARK, S. MILTON.....	New York City
COBB, FRANCIS CUTTER.....	St. Paul, Minn.
CONNER, BENJAMIN FRANKLIN, JR.....	New York City
CONTRERAS, CARLOS.....	Mexico City, Mexico
COOK, EDGAR HAWLEY.....	Albany, N. Y.
COOK, HENRY.....	New York City
COSTER, CHARLES G., A.B. St. Francis Xavier 1909.....	New York City
COVEY, PAUL BISSELL.....	Yonkers, N. Y.
CRITTENDEN, BUTLER P.....	Rochester, N. Y.
DE GRUCHY, OLIVER WILLIAMS.....	New York City
DI STASIO, JOSEPH.....	New York City
DONALDSON, KENNETH HUME.....	New York City
DOUGHERTY, EDWARD A.....	New York City
DUFFIE, ARCHIBALD DUNCAN.....	Bantam, Conn.
DUNN, GEORGE WARREN, JR.....	New York City
DURKEE, MORRIS M.....	New York City
EILERS, HENRY.....	New York City
EISENBERG, HERBERT.....	New York City
EMMERT, JOHN BARRETT.....	Sedalia, Mo.
EVENCHICK, MAX.....	Newark, N. J.
FABREGA, EDWARD E.....	New York City
FEDERMAN, SAMUEL.....	New York City
FIELDING, JAMES RIDGE.....	Hackensack, N. J.
FINDLAY, EDWIN H.....	New York City
FISH, GILBERT DUDLEY.....	New York City
FOOTE, FREDERICK WILLIAM.....	Englewood, N. J.
FORD, ANDREW J.....	South Amboy, N. J.
FRIEDMAN, WILLIAM.....	New York City
FULLERTON, HENRY SUYDAM, JR.....	Scotch Plains, N. J.
GARBER, DANIEL MASON.....	Ridgewood, N. J.
GARDNER, FRANCIS SALTUS, JR.....	New York City
GOLDSTEIN, DAVIS.....	Passaic, N. J.
GRANT, WHEADON MARTIN.....	Birmingham, Ala.
GREACEN, JOHN LYSLE.....	New York City
GRIEVE, RICHARD PALMER.....	Holyoke, Mass.
HARRIS, ROBERT WILLIAM.....	New York City
HAYDEN, LLOYD.....	White Plains, N. Y.
HEILES, FREDERICK CARL.....	East Orange, N. J.
HERBENER, HENRY MACINTYRE.....	Thomasville, Ga.
HERBERT, WYMAN DRUMMOND.....	New York City
HERNANDEZ, JOHN ALBERT.....	New York City
HESS, KARL F.....	New York City
HESS, SEYMOUR.....	New York City
HEYMAN, MARCUS A.....	New York City
HIRSCH, MELVIN M.....	New York City
HIRSHBERG, JOHN.....	Atlantic City, N. J.



HITCHINS, OWEN EATON.....	Frostburg, Md.
HOFFMAN, CHARLES R.....	New York City
HOLBROOK, NEWBERRY.....	New York City
HOWARD, CLARENCE CHANDLER, JR.....	New York City
HUNTER, FREDERICK HEYWARD.....	New York City
HYDE, REED WARREN.....	Joliet, Ill.
ISRAEL, ALBERT HERMAN.....	New York City
JACKSON, CARLTON.....	Nashville, Tenn.
JACKSON, WALTER MOORES, JR.....	New York City
JACOBS, HAROLD H.....	New York City
JOHNSTON, HOWARD R.....	New York City
JOHNSTON, RODERICK LEE.....	New York City
DE JONGH, ARTHUR F.....	New York City
JOVESHOF, ARTHUR.....	New York City
JUNG, PHILIP HERBERT.....	New York City
KATZENBERG, SAMUEL.....	New York City
KEAR, CHARLES EDWARD.....	New Rochelle, N. Y.
KEATOR, BEVERLEY.....	New York City
KIRCHGARBER, EARLE H.....	New York City
KIRKPATRICK, DAVID D.....	New York City
KLEIN, WILLIAM MOUNT.....	New York City
KOENIG, EDWARD HARRY.....	New York City
KOHLBUSCH, ARTHUR HERMAN.....	Jersey City, N. J.
KOLLER, MAX ALEXANDER.....	New York City
KORN, MAX.....	Hackensack, N. J.
KROLL, CORNELIUS.....	New York City
KURZ, JOHN B. A.....	New York City
LAGUARDIA, GIOVANNI.....	New York City
LANE, ALFRED.....	New York City
LASSMAN, BENJAMIN.....	New York City
LATHROP, JOHN EARLE.....	Yonkers, N. Y.
LEINER, JOSEPH.....	Baltimore, Md.
LEVKOWITS, ALBERT.....	New York City
LIBERMAN, JULIUS MICHAELS.....	New York City
LIPARI, ATTILIO F.....	New York City
LIVINGSTON, JAMES DUANE, JR.....	Concord, Mass.
LOCKWOOD, LE ROY.....	Tuckahoe, N. Y.
LOMMEL, GEORGE LAWRENCE.....	New York City
LOW, JOSEPH FRANKLIN.....	New York City
LUSTIG, ELY.....	New York City
MACCOULL, NEIL, JR.....	New York City
MACLEAN, GORDAN.....	New York City
MCCOOK, JOSEPH FRANCIS.....	New York City
MCCUNE, MARCUS MATHEW.....	Salt Lake City, Utah
MCGOWN, DAVIS.....	San Antonio, Texas
MCIVER, FRANCIS FERGUS.....	New York City
McLAUGHLIN, WARNER, A. B. Harvard 1909.....	New York City
MAHLER, CHARLES HENRY.....	New York City
MALLOY, JOHN PATRICK.....	New York City
MAMPSEL, CHARLES J.....	New York City
MANDELL, SOLON B.....	New York City
MAPES, LELAND R.....	Spring Valley, N. Y.
MARX, RAYMOND MAXIMILLIAN.....	New York City
MEISSNER, CLARENCE EDWARD.....	New York City
MELITZER, EMANUEL B.....	New York City
MOCK, FRANK CHARLES.....	New York City

MOORE, DUDLEY M.....	Islip, N. Y.
MORRILL, ALBERT HARRISON.....	New York City
MURCHIE, HOWARD F.....	South Orange, N. J.
NARAYANE, SHANKAR GOVIND.....	Poona City, India
NEUMAN, DAVID L.....	New York City
NEWHOUSE, EDGAR L., JR.....	New York City
O'BRIEN, FRANKLIN.....	New York City
O'DONNELL, ADRIAN.....	New York City
O'DONNELL, ROBERT CLARKSON.....	New York City
PARKER, RALPH ARTHUR.....	Springfield, Mass.
PEET, GERALD.....	Cortland, N. Y.
PENFIELD, HAROLD CASSINOVE.....	New York City
PETERS, WILLIAM F., JR.....	New York City
PFEIFFER, BURTON LAWRENCE.....	Parsons, Kansas
PHILLIPS, JACQUIN.....	New York City
PHILLIPSON, BRAINERD F.....	New York City
PINEDA, ROSENDO.....	Elizabeth, N. J.
PLOTNICK, MARK L.....	New York City
POU, NESTOR E.....	

## A.B. Esenda de Bachilleres de Santo Domingo 1906 Santo Domingo, W. I.

PRATT, JOHN W.....	Buffalo, N. Y.
PROCHAZKA, GEORGE.....	New York City
RAPHAEL, ABRAHAM LINCOLN.....	New York City
RAUSCH, ARTHUR FREDERICK.....	New York City
RICHTER, CHARLES.....	New York City
RICHTER, HENRY.....	New York City
RIONDA, SALVADOR.....	New York City
RIPPENBEIN, NICHOLAS.....	Perth Amboy, N. J.
RISKIN, JOHN.....	Garfield, N. J.
ROBERT, MICHEL.....	New York City
ROBERTS, EDWARD OLIVER.....	New York City
ROBINSON, CHARLES R.....	St. Louis, Mo.
ROEMERMANN, ADOLPH.....	Leonia, N. J.
ROSENBERG, SAMUEL.....	New York City
ROTHSCHILD, DAVID.....	New York City
RUGEN, OTTO NICHOLAS.....	New York City
RUPRECHT, WALTER ERNEST.....	Yonkers, N. Y.
RYON, FREDERICK LINDE.....	New York City
SAALBERG, HERMAN.....	New York City
SACHS, ALBERT PARSONS.....	New York City
SAMUELS, MILTON.....	New York City
SCHATTINGER, GEORGE FRANCIS.....	Denver, Colo.
SCHNEIDER, LOUIS S.....	New York City
SCHURMAN, GEORGE WALTER.....	New York City
SCHWEIZER, JAMES ARMSTRONG.....	Watertown, N. Y.
SELVAGE, NOTMAN.....	Newark, N. J.
SERGEANT, DONALD MORTIMER.....	New York City
SHAW, JAMES.....	White Plains, N. Y.
SHEPARD, MORRIS G.....	Cortland, N. Y.
SMILLIE, RALPH, A.B. Yale 1909.....	New York City
SMITH, LLOYD BURR.....	Syracuse, N. Y.
SMITH, WILLIAM PERCIVAL.....	New York City
SPALTHOFF, WILLIAM.....	Forest Park, N. Y.
SQUIER, GEORGE FRANCIS.....	New York City
STEINBERG, MAX JULIUS.....	New York City
STEINBRUCH, WALTER.....	New York City

STEINDLER, EUGENE LOBNER.....	New York City
STEVENS, HERBERT CHESTER.....	Passaic, N. J.
STEWART, WILLIAM E., JR.....	New York City
STRANG, REGINALD BARLETT.....	New York City
SUVERKROP, EDWARD ALBERT.....	New York City
SYSKA, ADOLPH.....	New York City
TACKMANN, HENRY.....	New York City
THOMAS, JAMES, JR.....	New York City
TODTSCHINDER, PAUL.....	New York City
TRISCHKA, CARL.....	New York City
ULLRICH, ALBERT R.....	New York City
VALDES, ALFONSO P.....	New York City
VAN HOOK, ERRETT.....	Harrisburg, Pa.
DE VILLENEUVE, PIERRE.....	St. Laurents S��re Vendic, France
VOGLER, PETER CHAS.....	New York City
WALSH, JAMES ALOYSIUS.....	New York City
WALSH, RAYCROFT.....	Fort Hancock, N. J.
WARD, NORMAN B.....	Montclair, N. J.
WASHINGTON, FREDERICK W.....	Yonkers, N. Y.
WATERS, ARTHUR C.....	Taunton, Mass.
WEISS, HARRY.....	New York City
WHEELER, ROBERT A.....	New York City
WHITE, MILTON CHASE.....	New York City
WILCOX, DANIEL APPLETON.....	New York City
WISE, ALFRED L.....	New York City
WITHERBY, LYSLE TOWLES.....	New York City
WITT, WILLIAM.....	New York City
ZIEGLER, FREDERICK JACOB.....	New York City
ZILBERSHER, SAMUEL.....	New York City

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## NON-MATRICULATED STUDENTS

BABCOCK, E. C., JR.....	New York City
CAMPBELL, DAVID SHONTS.....	Chicago, Ill.
CANINO, MANUEL GODFRUEDO, A.B. Inst. de La Ensenanza 1899.....	San Juan, Porto Rico
CHAMBERLIN, EGBERT C.....	New York City
FAUST, GEORGE W.....	Goldfield, Nev.
FERNANDEZ, ABEL, Eng. Facultad de Matanucatecas 1909.....	Montevideo, Uruguay
FOHS, F. JULIUS.....	Lexington, Ky.
FRUDDEN, CONRAD EDWIN, B.M.E. Iowa State Col. 1909.....	Charles City, Iowa
GLASSFORD, JOHN, Phar. D. N. Y. Col. Pharmacy 1898.....	Jersey City, N. J.
GUIBERT, JOHN C. N.....	New York City
HAGER, DORSEY.....	Webster Groves, Mo.
DE LIMA, CORIOLANO, JR., C. E. Mackenzie Col.....	San Paolo, Brazil
LYNAS, ARTHUR OSTCLIFFE.....	St. Paul, Minn.
McKEAN, ROBERT C.....	Hoboken, N. J.
OTTO, CHARLES W.....	New York City
RYDER, FRANK.....	Los Angeles, Cal.
SIMMONS, FRANCIS EATON.....	Rockland, Maine
STOUGHTON, W. B.....	Thomaston, Conn.
SYVERSON, THEODORE SIGWALD.....	Cooperstown, N. Dak.
WOODWARD, ELBERT ALMERON.....	Rowayton, Conn.

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Attended Summer Session, 1909, but did not enter 1909-1910

CONDUCT, ALDEN S.....	New York City
GOULD, KINGDON.....	New York City

HAINES, HAROLD W.....	New York City
HANHAUSEN, FREDERICK .....	New York City
HAYES, FRANK ANDERSON, A.B. Yale 1907.....	Buffalo, N. Y.
HOLMQUIST, GUSTAVE S.....	New York City
McINTYRE, KENNETH ARNON.....	Mt. Vernon, N. Y.
MINTON, ABRAM HARALD.....	Trinidad, Colo.
REED, LUTHER ANDERSON.....	New York City
VON SALTZA, P. W.....	New York City
SCHWEID, MAX, A.B. Univ. Rochester 1908.....	Rochester, N. Y.
SHAIUROFF, N.....	Nishny-Novgorod, Russia
STAGG, HYACINTO.....	New York City
THOMPSON, MALCOLM MACFARLANE.....	Ridgefield, N. J.
TONKING, W. W.....	Dover, N. J.
VAN KEUREN, H. P. T.....	Howell, Mich.
VILLALOBOS, GUMARO, Ph.D. Gregorian Univ. 1904.....	Encarnacion, Mexico

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## SUMMARY

	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:				
Mining Engineering.....	66	57	27	150
Metallurgy.....	3	5	2	10
SCHOOL OF CHEMISTRY:				
Chemistry.....	7	2	1	10
Chemical Engineering.....	19	9	6	34
SCHOOL OF ENGINEERING:				
Civil Engineering.....	51	31	14	96
Electrical Engineering.....	22	18	15	55
Mechanical Engineering.....	45	25	8	78
	213	147	73	433
FIRST-YEAR CLASS.....				214
NON-MATRICULATED .....				20
STUDENTS FROM COLUMBIA COLLEGE .....				12
Total .....				679

## FACULTY OF POLITICAL SCIENCE

ESTABLISHED 1880

### Officers of the Faculty

- <sup>1</sup> Professor BURGESS, *Dean and ex-officio Member of the University Council*
- Professor CARPENTER, *Associate Dean and ex-officio Member of the University Council*
- Professor SHEPHERD.....*Secretary*
- Professor MUNROE SMITH (Term expires 1910), *Elected Delegate to the University Council*
- Professor SELIGMAN (Term expires 1911) *Elected Delegate to the University Council*
- Professor GOODNOW.. *Chairman of Standing Committee on Instruction and ex-officio Member of the University Council*

### The Faculty

President BUTLER	Professor SLOANE
<sup>1</sup> Professor BURGESS	" SEAGER
" MUNROE SMITH	" <sup>1</sup> H. L. MOORE
" GOODNOW	" SHEPHERD
" SELIGMAN	" SHOTWELL
" CARPENTER	" <sup>1</sup> BOTSFORD
" <sup>1</sup> OSGOOD	" SIMKHOVITCH
" J. B. MOORE	" DEVINE
" DUNNING	" JOHNSON
" GIDDINGS	" LINDSAY
" CLARK	" <sup>2</sup> SUZZALLO
" ROBINSON	" SCOTT

Professor GUTHRIE

Standing Committee on Instruction: Professors GOODNOW, *Chairman*; MUNROE SMITH, SELIGMAN, GIDDINGS, and SLOANE.

### GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence. Any duly matriculated university student is at liberty to combine courses of

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year.



study and investigation under this Faculty with courses offered by other Faculties of the University. Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history and economics and Social Science and may become candidates for the higher degrees.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 183 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

It is the purpose of the School of Political Science to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

- (a) To fit young men for the public service.
- (b) To give an adequate economic and legal training to those who intend to make journalism their profession.
- (c) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.
- (d) To educate teachers of history, economics, social science, public law, and jurisprudence.

## COURSES OF INSTRUCTION

For information regarding the courses offered in 1909-10 see statement under groups of subjects, as follows:

Economics and Social Science, page 83.

History and Political Philosophy, page 108.

Politics, Public Law and Comparative Jurisprudence, page 117.

For more detailed accounts of the courses and for the tender of 1910-11, application should be made for the *Announcement of the Division of History, Economics, and Public Law*.

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

### Yale-Columbia Courses in Preparation for Foreign Service

A system of courses has been inaugurated by Yale University and Columbia University, to prepare students for work in foreign countries either in the service of the United States Government, in business, enterprises, or as missionaries or scientific investigators.

The courses are intended to make the student familiar with the general subjects required for successful work in foreign countries and to enable him, by means of this knowledge, to gain quick mastery of

special problems that present themselves in diverse occupations and regions. More special courses of instruction are intended to convey knowledge relating to particular regions in which the student intends to carry on his work.

The successful completion of the courses offered, which will normally occupy three years in the case of candidates for the consular service, and two years in the case of candidates for other foreign service in special fields, will entitle the student, on recommendation of the joint committee in charge of the course of studies, to an appropriate certificate signed by the Presidents of Yale University and Columbia University. Subject to the rules of the two coöperating institutions, candidates for certificates are admitted to candidacy for the regular academic degrees.

The course of study is framed primarily for graduate students, but it is also open to specially qualified students who have not completed the full college course. Students are expected to have completed successfully at least two years of undergraduate work at either Yale University or Columbia College, or to give proof of equivalent training.

Candidates for a certificate must prove their ability to read French or German, and must have completed the regular college courses on the general principles of economics, American history, and European history of the nineteenth century.

The program of studies includes seven divisions: (1) Languages, (2) Geography, (3) Ethnography, (4) History, (5) Religions, (6) Economics, (7) Law.

For detailed information concerning these courses apply to the Dean of the Graduate School, Yale University, New Haven, Conn., or to the Secretary of Columbia University, New York City.

## FACULTY OF PHILOSOPHY

ESTABLISHED 1890

### Officers of the Faculty

- <sup>1</sup> Professor BURGESS . . . . . *Dean and ex-officio Member of the University Council*
- Professor CARPENTER . . . . . *Associate Dean, and ex-officio Member of the University Council*
- Professor McCREA . . . . . *Secretary*
- Professor THORNDIKE (Term expires 1910), *Elected Delegate to the University Council*
- Professor PERRY (Term expires 1911), *Elected Delegate to the University Council*
- <sup>3</sup> Professor WOODBRIDGE, *Chairman Standing Committee on Instruction and ex-officio Member of the University Council*

### The Faculty

President BUTLER	Professor MONROE
<sup>1</sup> Professor GOTTHEIL	" <sup>2</sup> DUTTON
" <sup>2</sup> PECK	" TRENT
" CARPENTER	" McCREA
" CATTELL	" LODGE
" PERRY	" <sup>3</sup> YOUNG
" JACKSON	" FARRAND
" <sup>3</sup> COHN	" E. L. THORNDIKE
" MATTHEWS	" BREWSTER
" TODD	" KNAPP
" WHEELER	" PRINCE
" EGBERT	" <sup>3</sup> WOODBRIDGE
" THOMAS	" HIRTH
" SPERANZA	" ADLER
" BOAS	" <sup>3</sup> SACHS
" <sup>2</sup> BAKER	" <sup>1</sup> STRONG
" RUSSELL	" SAVILLE
" McMURRY	" LOISEAUX

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year.

<sup>3</sup> Absent on leave second half-year.

Professor HERVEY

" TOMBO

" <sup>1</sup>MACVANNEL

" SPINGARN

" OLCOTT

" <sup>1</sup>FULLERTON

" FLETCHER

" DEWEY

Professor WOODWORTH

" A. H. THORNDIKE

" REMY

" MONTAGUE

" LAWRENCE

" MILLER

" JESPERSEN

" WEEKS

Standing Committee on Instruction: Professors WOODBRIDGE, *Chairman*; GOTTHIEL, EGBERT, PRINCE, and SACHS.

### GENERAL STATEMENT

The Faculty of Philosophy has charge of the university courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 183 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

### COURSES OF INSTRUCTION

For information regarding the courses offered in 1909-10, see departmental statements as follows:

Anthropology, page 56.

Comparative Literature, page 81.

Education, page 87.

English, page 95.

Germanic Languages, page 102.

Greek (including Archæology and Epigraphy), page 105.

Latin (including Epigraphy

and Roman Archæology), page 112.

Oriental Languages

Chinese, page 134.

Indo-Iranian, page 135.

Semitic, page 136.

Philosophy and Psychology, page 144.

Romance Languages, page 159.

Science of Language, page 136.

For more detailed accounts of the courses and for the tender of 1910-11, application should be made for the divisional *Announcements of Classical Philology; Modern Languages and Literatures; Oriental Languages; Philosophy, Psychology and Anthropology*; and of Teachers College.

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

<sup>1</sup> Absent on leave, 1909-10.

## FACULTY OF PURE SCIENCE

ESTABLISHED 1892

### Officers of the Faculty

- <sup>1</sup>Professor BURGESS. . . *Dean and ex-officio Member of the University Council*  
 Professor CARPENTER. . . *Associate Dean and ex-officio Member of the University Council*  
 Professor COLE. . . . . *Secretary*  
 Professor KEYSER (Term expires 1910). . . *Elected Delegate to the University Council*  
 Professor KEMP (Term expires 1911). . . . . *Elected Delegate to the University Council*  
<sup>3</sup> Professor HALLOCK. . . *Chairman of Standing Committee on Instruction, and ex-officio Member of the University Council*

### The Faculty

President BUTLER	Professor DEAN
Professor VAN AMRINGE	" HOWE
" CHANDLER	" WOODHULL
" MUNROE	" DODGE
" CARPENTER	" MACLAY
" MOSES	" BOGERT
" HUNTINGTON	" J. L. R. MORGAN
" OSBORN	" <sup>2</sup> CRAMPTON
" WILSON	" D. E. SMITH
" KEMP	" GIES
" <sup>3</sup> HALLOCK	" GRABAU
" <sup>1</sup> CROCKER	" RICHARDS
" PUPIN	" <sup>1</sup> CALKINS
" BURR	" HISS
" FISKE	" <sup>3</sup> KEYSER
" JACOBY	" HERTER
" COLE	" LUQUER
" LEE	" BAILEY

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year.

<sup>3</sup> Absent on leave second half-year.



Professor BURTON-OPITZ  
 " T. H. MORGAN  
 " POOR  
 " H. C. SHERMAN  
 " WILLS  
 " H. B. MITCHELL  
 Doctor BUMPUS  
 Professor RUNGE

Professor LUCKE  
 " KASNER  
 Doctor BRITTON  
 Professor C. C. CURTIS  
 " PEGRAM  
 " DAVIS  
 " MACCALLUM  
 " STEWART

Standing Committee on Instruction: Professors HALLOCK, *Chairman*; KEMP, WILSON, BOGERT, and KEYSER.

### GENERAL STATEMENT

The Faculty of Pure Science has charge of the university courses of instruction and research in all branches of pure science. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by other Faculties of the University.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University Degrees," page 183 *et seq.*), or as "non-matriculated students," to pursue special or partial courses.

### COURSES OF INSTRUCTION

For information regarding the courses offered in 1909-10, see departmental statements as follows:

<b>Anatomy</b> , page 53.	<b>Mathematics</b> , page 119.
<b>Astronomy</b> , page 60.	<b>Mechanical Engineering</b> , page 122.
<b>Bacteriology</b> , page 62.	<b>Mechanics</b> , see <b>Physics</b> .
<b>Biological Chemistry</b> , page 62.	<b>Metallurgy</b> , page 125.
<b>Botany</b> , page 65.	<b>Mineralogy</b> , page 127.
<b>Chemistry</b> , page 68.	<b>Mining</b> , page 128.
<b>Civil Engineering</b> , page 74.	<b>Pathology</b> , page 139
<b>Electrical Engineering</b> , page 92.	<b>Physics</b> , page 151.
<b>Engineering Drafting</b> , page 95.	<b>Physiology</b> , page 154
<b>Geology</b> , page 100.	<b>Zoölogy</b> , page 167.

For more detailed accounts of the courses and for the tender of 1910-11, application should be made for the divisional *Announcement of Biology; Chemistry, Geology, Geography and Mineralogy; Mathematical and Physical Science*; and of the *Schools of Mines, Engineering, and Chemistry*.

Attention is also called to the separately printed pamphlet entitled *Faculties of Political Science, Philosophy, and Pure Science*, which may be had upon application to the Secretary of the University.

# REGISTER OF STUDENTS, 1909-10 Under the Faculties of Political Science, Philosophy, and Pure Science <sup>1</sup>

ABBOTT, FREDERICK BANCROFT, A.M. 1904, B.S. Emporia 1900.....	Providence, R. I. <i>Philosophy</i>
ABELOW, SAMUEL PHILIP, B.S. 1905, A.M. 1908.....	New York City <i>History</i>
ABRAHAM, MATHILDE, A.B. 1909.....	New York City <i>English, History</i>
ADAMS, BENJAMIN PETTINGILL, A.B. Wesleyan 1907.....	Rochester, N. Y. <i>English, Social Economy</i>
ADAMS, FLORA DODSON, A.M. 1909, Ph.B. Chicago 1907.....	York, Pa. <i>Germanic English</i>
ADLERBLUM, ISRAEL SAMUEL, A.M. 1909, A.B. C. C. N. Y. 1908.....	New York City <i>Economics, Sociology, History</i>
AFRICA, HENRY SNARE, B.S. Bucknell 1909.....	Huntingdon, Pa. <i>English, Philosophy</i>
ALDEN, ISABEL, A.B. Wellesley 1908.....	Summit, N. J. <i>Botany, Education</i>
ALLEN, LUCY BRANCH, A.B. Wellesley 1897.....	Leonia, N. J. <i>English</i>
ALLES, ROBERT HARRY, A.M. 1908, B.S. C. C. N. Y. 1906.....	Ridgewood, N. J. <i>English</i>
ALLISON, GEORGE DEACON.....	New York City A.M. 1907, Ph.B. Brown 1905, B.D. Union 1908 <i>Sociology, Social Economy</i>
ALTARELLI, CARLO.....	Paterson, N. J. <i>Sociology, Political Economy</i>
AMANO, SEÜCHI, A.M. 1906, Equiv. A.B. Tokio 1892.....	Shedjuoka, Japan <i>Political Economy</i>
AMEND, CARL GUSTAVE, B.S. 1908, A.M. 1909.....	New York City <i>Chemistry, Geology</i>
AMMERMAN, STEPHEN LEWIS, Ph.B. Lafayette 1893, M.S. 1896.....	New York City <i>Physics</i>
ANDREWS, MARY ELIZABETH, Ph.B. Buchtel 1896.....	Hamilton, Ohio <i>Sociology, Philosophy, Social Economy</i>
ANSPACHER, ABRAHAM SAMUEL, A.B. Cincinnati 1900.....	Scranton, Pa. <i>Semitics, Philosophy</i>
ANTHONY, ALFRED.....	New York City <i>International Law</i>
APPEL, FRANK JOHN, B.S. 1907.....	New York City <i>German, English</i>
APPEL, RICHARD GILMORE, A.B. Franklin and Marshall 1908.....	Lancaster, Pa. <i>History</i>

<sup>1</sup> Assistants in the University who are at the same time pursuing courses for the higher degrees are not included in this list. Wherever the name of a State is given after a degree, it signifies that the student has graduated from the given State University.

- ARNOLD, LYDIA G.....New York City  
*French*
- ASHE, SYDNEY WHITMORE, E.E. Bklyn. Polytechnic 1905.....New York City  
*Electrical Engineering, Psychology, Physics*
- ASKOWITH, DORA, A.B. 1908, A.M. 1909.....New York City  
*History*
- ATKINSON, CHARLES RAYMOND, A.B. George Washington 1909.....Sheridan, Wyo.  
*Constitutional Law, History, International Law*
- AUSLANDER, ARMIN, A.M. 1908, A.B. C. C. N. Y. 1902.....New York City  
*Physics*
- BACHRACH, SIMON.....New York City  
A.M. 1909, A.B. C. C. N. Y. 1904, LL.B. N. Y. Univ. 1908  
*History*
- BACK, ELIZABETH MITCHELL, A.B. 1908.....Yonkers, N. Y.  
*Mathematics*
- BACON, HELEN ESTELLE, Ph.B. Michigan 1892.....New York City  
*Comparative Literature*
- BAGNELL, ROBERT, A.M. 1908.....New York City  
*Philosophy, Psychology*
- BAIRD, ALBERT CRAIG, A.B. Wabash 1907.....Youngstown, Ohio  
*English*
- BAKER, ETHEL, B.S. Texas 1902.....Austin, Texas  
*Geology, Music*
- BALDWIN, BURTON JOHN.....Woodbridge, Conn.  
A.B. Wesleyan 1902, A.B. Yale 1903, B.D. Union Semy. 1908  
*Sociology and Statistics*
- BALDWIN, JULIAN WADSWORTH.....East Orange, N. J.  
*International Law, Economics, Jurisprudence*
- BALLARD, JOHN HUDSON, A.B. So. California 1909.....Nyack, N. Y.  
*Psychology, Biology*
- BARNES, CLYDE PHILANDER, A.B. Ohio Wesleyan 1905, B.D. Drew 1908...Shiloh, Ohio  
*Sociology and Statistics, Philosophy*
- BARNES, HELEN FLORENCE, A.B. Ohio Wesleyan 1889.....New York City  
*Sociology*
- BARR, JOSIAH HENRY, A.B. Hamline 1901, A.M. Iowa 1909.....Dwight, Ill.  
*History, Philosophy*
- BARROWS, WALTER LORING, A.B. Princeton 1907.....Greenwich, Conn.  
*Geology, Paleontology, Mineralogy*
- BASCH, EDITH AMES, A.B. N. Y. Normal 1905.....New York City  
*Botany*
- BATES, MADISON CLAIR.....Galesburg, Ill.  
A.B. Williams 1904, A.M. 1905, A.M. Harvard 1906.  
*English, Comparative Literature*
- BAUCH, OLGA VON KETTLER.....Baltimore, Md.  
*German*
- BAXTER, MABEL W., A.M. 1907, A.B. Knox 1899.....New York City  
*History*
- BAXTER, RICHARD WAVERLY, A.B. Cincinnati 1906.....New York City  
*Philosophy*
- BEACH, FREDERICK PAUL, B.S. Michigan 1898.....Lexington, Mich.  
*Philosophy*
- BEAL, GEORGE DENTON, Ph.B. Scio 1908.....Scio, Ohio  
*Chemistry*
- BEAL, THOMAS ANDREW, A.B. Utah 1906.....Ephraim, Utah  
*Economics, History*
- BEAN, CHARLES HOMER, A.B. Nebraska 1899.....Terre Haute, Ind.  
*Psychology, Education*

- BECH, THOR FENSEN, Equiv. A.B. Copenhagen 1909..... New York City  
*Philosophy*
- BECK, FLORENCE ROSE, A.B. N.Y. Normal 1909.....New York City  
*English*
- BECKER, GEORGE JEREMIAH, A.B. Syracuse 1906.....Sparta, N. J.  
*Philosophy*
- BECKWITH, HOLMES, B.L. California 1908, M.L. 1909..... New York City  
*Sociology*
- BEEBE, IMY EMILY, Ph.B. So. Dakota 1899.....Ipswich, S. D.  
*Social Economy*
- BEECKMAN, FLORENCE LOUISE, A.B. 1904, A.M. 1905.....New York City  
*History*
- BEERS, FLORENCE, A.B. 1905.....New York City  
*Latin*
- BEGG, ALEXANDER LEWIS WORTHINGTON, A.B. Chicago 1903..... New York City  
*Jurisprudence, History, Economics*
- BEILER, MARY, A.B. Boston 1909.....Boston, Mass.  
*Social Economy*
- BELL, HENRY WINNE, Ph.B. Union, 1908..... Albany, N. Y.  
*Sociology*
- BELL, JEFFERSON GARRETT, A.B. Alabama 1908, A.M. 1909.....Fort Deposit, Ala.  
*English, Sociology, International Law*
- BELLINGER, MARTHA F.....New York City  
*English, Comparative Literature*
- BENDER, ANDREW, A.B. Lebanon Valley 1906.....Dillsburg, Pa.  
*Chemistry*
- BENEDICT, LAURA ESTELLE WATSON, A.B. Chicago 1900, A.M. 1904....Chicago, Ill.  
*Anthropology*
- BENEDICT, RALPH CURTISS, Ph.B. Syracuse 1906.....New York City  
*Botany, Geology*
- BENSON, ADOLPH BURNETT, B.S. Wesleyan 1907.....Berlin, Conn.  
*Germanic, French*
- BERGAMINI, RACHEL, B.S. 1908, A.M. 1909..... New York City  
*English*
- BERGER, WILHELM ROBERT, A.B. Wallace 1907.....Madison, N. J.  
*Sociology, History*
- BERNARD, UNA M., A.B. 1909.....New York City  
*Philosophy, Psychology*
- BERNKOPF, MARGARETO ANNA MARIE..... New York City  
*Germanic, Education*
- BEST, HARRY.....Millersburg, Ky.  
A.M. 1908, A.B. Centre 1901, A.M. George Washington 1902  
*Constitutional Law*
- BEYER, BARNET J., A.B. Bklyn. Polytechnic 1908.....New York City  
*English*
- BICKEL, GEORGE ALLEN, A.B. Franklin and Marshall 1905.....Rehlersburg, Penn  
*German, English*
- BIGELOW, SARAH ANTOINETTE, A.B. Wellesley 1893.....Waterville, N. Y.  
*English, Sociology*
- BILDERSEE, ADELE, A.B. N. Y. Normal 1903.....New York City  
*English*
- BILLINGSLEY, PAUL, A.B. 1908.....New York City  
*Geology, Paleontology, Mining*
- BISSELL, REV. PELHAM ST. GEORGE.....Freeport, N. Y.  
A.B. 1880, A.M. 1904, A.K.C. King's England 1898  
*Sociology*

- BLACKBURN, LOUISA POWELL, A.B. 1906.....New York City  
*Zoology, Chemistry*
- BLANKENHORN, HEBER, A.B. Wooster 1905..... Orvilla, Ohio  
*English, Comparative Literature*
- BLAU, JOEL, A.B. Cincinnati 1908.....New York City  
*Philosophy*
- BLOCK, SIEGFRIED, M.D. L. I. Coll. Hospital 1905.....New York City  
*Psychology*
- BLOHM, ALBERT, A.M. 1909, A.B. Wabash 1906.....Lents, Oregon  
*English*
- BLUMBERG, HENRY, A.B. 1907, A.M. 1908.....New York City  
*Mathematics, Education*
- BOMAN, JOHN SIDNEY, A.B. Missouri 1902..... New York City  
*Mathematics*
- BONHAM, MILLEDGE L., JR., B.L. Furman 1900.....Anderson, S. C.  
*History, Education*
- BONSALL, VICTOR FITCH, A.B. 1901, A.M. 1902.....New York City  
*English*
- BOOTH, CLARA WOLCOTT..... New York City  
*Comparative Literature*
- BORCHARDT, EDWIN MONTIFIORE, B.S. 1908, LL.B. N. Y. Law 1905....New York City  
*International Law*
- BOSLER, MARY.....Carlisle, Penn.  
*Social Economy*
- BOUDIN, ANNA PAVITT..... New York City  
*Sociology*
- BOURN, AUGUSTUS OSBORN, JR., .....Bristol, R. I.  
A.M. 1908, LL.B. George Washington, 1891, B.C.S. N. Y. Univ. 1905  
*Sociology, Geology*
- BOWLES, FRANK C., A.B. Central 1902..... Fayette, Mo.  
*History, English, Mathematics*
- BOWMAN, NINA CLARE, A.B. Kansas State 1893.....New York City  
*Latin*
- BOYCE, WARREN SCOTT, A.B. Wake Forest 1903, A.M. Chicago 1907.....Selwin, N.C.  
*Sociology, Economics, Education*
- BOYERS, JOHN CLEMENTS, A.B. Oberlin 1907.....New York City  
*Social Economy*
- BRADFORD, IDA MARGUERITE, A.B. Florida State 1908, A.M. 1909... Tallahassee, Fla.  
*English, Comparative Literature*
- BRADSHAW, IDA K. ....New York City  
*Social Economy*
- BRAININ, CLEMENT S., A.B. 1908.....New York City  
*Physics, Astronomy*
- BRAININ, ELLA, A.B. N. Y. Normal 1905, B.S. N. Y. University 1909.. New York City  
*German*
- BRANDS, CARL, A.B. 1906.....New York City  
*Germanic, Education*
- BRESSLER, HELEN B., A.B. Lebanon Valley 1905.....New York City  
*English*
- BRETT, GEORGE MONROE, A.B. Bowdoin 1897..... New York City  
*Mathematics*
- BREWER, FRANCIS E., A.B. Cornell 1892, A.M. Indiana 1893.....New York City  
*Latin*
- BREWER, RAYMOND HILLS, A.B. Wesleyan 1909..... Silver Lane, Conn.  
*Social Economy*
- BREWSTER, JOHN ALFRED, A.B. Harvard 1896.....Geauga Lake, Ohio  
*Sociology*



- BRIGHAM, L. WARD.....New York City  
B.S. Lombard 1886, M.S. 1889, M.D. Bennett Medical 1888, D.D. St.  
Lawrence 1909  
*Sociology, Economics*
- BRITTAİN, WILLIAM MACKELLAR.....New York City  
A.M. 1907, B.S. N. Y. Univ, 1905, LL.B. 1906  
*Sociology, Social Economy*
- BROWN, BURDETTE BOARDMAN.....Mamaroneck, N. Y.  
A.B. Alfred 1890, A.M. 1891, B.D. Yale 1898  
*Philosophy*
- BROWN, EMILY FRANCES, A.B. Wellesley 1890.....Wellesley, Mass.  
*English, Comparative Literature*
- BROWN, MARY LOUISE.....Fort Worth, Texas  
*English*
- BROWN-SERMAN, STANLEY, A.B. 1905, A.M. 1908.....New York City  
*Greek, Latin, History*
- BROWNE, MABEL EMMA, AB. 1906, A.M. 1908.....New York City  
*Mathematics*
- BROWNE, THOMAS QUINCY, JR., A.M. 1908, A.B. Harvard 1888.... Morristown, N. J.  
*Geology*
- BRYCE, GEORGE PARDON, A.B. Toronto, 1904.....Ottawa, Can.  
*Social Economy*
- BUCHBINDER, HYMAN ELIAS, B.S. C. C. N. Y. 1901.....New York City  
*Bacteriology*
- BUCHER, MARIA EDNA, A.B. Woman's Coll., Baltimore, 1905.....Lebanon, Penn.  
*Germanic*
- BUDINGTON, ERNEST GUNTON, A.B. 1902, LL.B. 1905, A.M. 1905.....New York City  
*Constitutional Law*
- BUNNING, EDWARD, B.S. C. C. N. Y. 1906.....New York City  
*English*
- BURKE, CHARLES VICTOR, A.B. Stanford 1907, A.M. 1908.....Palo Alto, Calif.  
*Zoology, Paleontology*
- BURLINGAME, ANNE ELIZABETH, A.B. Syracuse 1900.....East Springfield, N. Y.  
*History*
- BURNHAM, REUBEN WESLEY, A.B. Amherst 1895.....New York City  
*Physics, Education*
- BURR, MARJORIE, A.B. Vassar 1899.....Williamstown, Mass.  
*English*
- BUSH, CHARLOTTE MARION, B.L. Western Reserve 1898.....New Rochelle, N. Y.  
*English*
- BUTLER, BERTRAM THEODORE, A.M. 1908, Ph.B. Hamline 1901.....Helena, Mont.  
*Botany, Geology*
- BYRNE, JOSEPH PARKER.....New York City  
*Geology*
- BYRNE, SISTER MARIE JOSÉ, A.B. St. Elizabeth 1902.....Convent Station, N. J.  
*Latin*
- CALDWELL, HUGH HARRIS, A.B. Davidson 1903.....Charlotte, N. C.  
*English, History*
- CAMERON, WALTER SCOTT, A.B. C. C. N. Y. 1895.....New York City  
*Physics*
- CANFIELD, LEON HARDY, A.B. Syracuse 1908.....Syracuse, N. Y.  
*History*
- CANN, JESSIE YEREANCE, A.B. Woman's College, Baltimore, 1904.....Newark, N. J.  
*Chemistry*
- CASTRITSY, GEORGE, P., A. B. Evangelical, Smyrna 1895.....New York City  
*Comparative Literature*
- CHAMBERLAIN, CLARK WELLS, A.B. Denison 1894.....Poughkeepsie, N. Y.  
*Physics*

- CHAMBERLAIN, JOSEPH PERKINS.....San Francisco, Cal.  
*International Law, Constitutional Law*
- CHAMBERLAIN, MARY LOUISA, A.B. Vassar 1909.....Hudson, Mass.  
*Political Economy*
- CHAPIN, F. STUART, B.S. 1909.....New York City  
*Sociology, Economics*
- CHEN, HUAN-CHANG, Ph.D. China 1904.....Canton, China  
*Economics, Constitutional Law, Sociology*
- CHEN, JU HSIANG, Ph.B. Yale 1908.....China  
*Civil Engineering, Electrical Engineering*
- CHEN, WEI-PAN, A.M. 1909, A.B. Peking 1904, B.S. Ohio Wesleyan 1906..Peking, China  
*Metallurgy, Geology, Chemistry*
- CHENOWETH, IRVING SHOEMAKER, A.B. Eureka 1905, A.M. 1907..Chambersburg, Ill.  
*Sociology, Economics*
- CHERTOFF, PAUL, A.B. N. Y. Univ. 1908.....New York City  
*Philosophy, Economics*
- CHIDSEY, HAROLD RUSSELL, A.B. Lafayette 1909.....Easton, Penn.  
*Philosophy*
- CHILD, ANDREW MIDDLETON, JR., A. B. 1909.....New York City  
*Greek, Latin, Education*
- CHITTICK, VICTOR LOVITT OAKES.....Hartsport, N. S., Can.  
A.B. Acadia 1905, A.M. 1906, A. M. Harvard 1908  
*English*
- CHUTE, CHARLES LIONEL, A.B. Oberlin 1904.....New York City  
*Social Economy*
- CLAPP, ELSIE RIPLEY, A.B. 1908, A.M. 1909.....New York City  
*English, Philosophy*
- CLARK, ADELE B., A.B. Woman's State Miss. 1896.....Verona, Miss.  
*Latin, Roman Archaeology, Education*
- CLARK, DAVID LEONIDAS, A.M. North Carolina, 1909.....Allen, Ky.  
*English*
- CLARK, ERNEST DUNBAR, A.M. 1909, A.B. Harvard 1908.....Rochdale, Mass.  
*Physiological Chemistry*
- CLARK, LORA MINNIE, B.S. 1909.....Cohoes, N. Y.  
*German, Education*
- CLARK, ORTON LORING, B.S. Mass. Agricultural 1908.....New York City  
*Botany Zoology*
- CLOYD, GENEVIEVE, A.B. Smith 1897.....New York City  
*Latin*
- COBLENZ, ADOLPH, B.S., C. C. N. Y. 1909.....New York City  
*Germanic, English, Philosophy*
- COLBY, FLORENCE, A.B. Denver 1909,.....Denver, Colo.  
*English, Education*
- COLEMAN, ANNA ALOYSIUS, A.B. Trinity 1904.....Pelham Manor, N. Y.  
*Latin*
- COLLIER, ELIZABETH BROWNELL, A.B. Vassar 1906.....New York City  
*English*
- COLVIN, DAVID LEIGH, A.B. Ohio Wesleyan 1900.....Leigh, No. Dak.  
*Sociology, Economics*
- COLVIN, MAMIE WHITE, A.B. Wheaton 1905.....Leigh, N. D.  
*History, Social Economy*
- CONDIT, DANIEL DALE, A.B. Ohio State 1909.....Pataskala, Ohio  
*Geology, Mineralogy*
- CONNELL, JOHN WESLEY, A.B. Syracuse 1898.....New York City  
*Latin*
- COOK, ELIZABETH CHRISTINE, A.M. 1902, A.B. Smith 1899.....Northampton, Mass.  
*English, Comparative Literature*

- COOK, HARRY FRANCIS, A.B. Brown, 1909.....Westerly, R. I.  
*Social Economy*
- COOK, HAZEL MARGARET, A.B. Smith 1906.....New York City  
*Latin*
- COOK, MARY GWENDOLYN, A.B. Mt. Holyoke 1903.....Merryall, Penn.  
*English*
- COOPER, FRANK BRISCOE, A.B. Randolph-Macon 1905, A.M. 1906.....Monterey, Va.  
*Physics, Mathematics, Astronomy*
- CORSA, MARY AGNES, A.B. Mt. Holyoke 1909.....New York City  
*Zoology, Botany*
- COURSON, DELLA, A.B. Lebanon Valley 1907.....Lebanon, Penn.  
*English*
- COX, ALICE BACON, A.B. Cox 1907.....College Park, Ga.  
*English, Comparative Literature*
- CRAM, GORDON LAFAYETTE, A.M. 1904, A.B. Toronto, 1894  
*Romance*
- CRAMER, MARY EVA, A.M. 1903, Ph.B. Wesleyan 1895.....Portland, Conn.  
*English*
- CRANE, KATHARINE PRIEST, A.M. 1907, B.L. Smith 1897.....New York City  
*History*
- CRAWFORD, GUSTAVUS CHAMBERS, A.B. Harvard 1902, A.M. 1903.....New York City  
*Physics*
- CRAWFORD, RENA, A.B. Woman's College 1899, Ph.B.....Houston, Miss.  
*Latin, Education*
- CROMACK, ALICE PRENTISS, A.B. Wellesley 1900.....New York City  
*Mathematics*
- CROME, JANE ERUISSE, A.B. Rochester 1905, A.M. 1909.....Rochester, N. Y.  
*English, Comparative Literature*
- CROSS, EDWARD WEEKS, A.B. Carleton, 1907.....St. Louis Park, Minn.  
*Philosophy*
- CUDDEBACK, ANNA MILLS, A.B. Vassar 1902.....Port Jervis, N. Y.  
*Latin History, French*
- CULLER, ARTHUR JEROME, A.B. Juniata 1908.....Lake, Ohio  
*Psychology, Sociology*
- CURTIS, CHARLES DENSMORE, A.B. Pomona 1900, A.M. Colorado 1901  
*Greek, Latin, Arabic*
- CURTISS, LUCY SACKETT, A.B. Wellesley 1905.....Warren, Conn.  
*English, Comparative Literature, Education*
- DACEY, CATHARINE MARIA, A.B. St. Angela 1909.....New York City  
*English, Comparative Literature*
- DAGHLIAN, GARABED KRIKOR, A.B. Central Turkey 1902....Aintab, Turkey in Asia  
*Chemistry, Physics*
- DALY, CHARLES, A.B. C. C. N. Y. 1908.....New York City  
*Social Economy, Economics, History*
- DALY, EMMA E. D., A.B. N. Y. Normal 1906.....New York City  
*English, Education*
- DANN, HARVEY MONTGOMERY, A.B. Syracuse 1898.....New York City  
*Latin*
- DARNTON, MAIDA CASTELHUN, B.L. California 1894.....New York City  
*English*
- DAS, DORA MAYS, A.B. Mt. Holyoke 1909.....New York City  
*English*
- DASHIELL, JOHN FREDERICK, B.S. Moore's Hill 1908, B.L. 1909.....Fairland, Ind.  
*Psychology, Philosophy*
- DAVIS, ALICE, A.M. 1904, Ph.B. Chicago 1899.....New York City  
*History*

- DAVIS, EDWARD BASSFORD, A.B. Williams 1907..... New York City  
*Sociology*
- DAVIS, ETTA LINCOLN, A.B. Bryn Mawr 1899, A.M. Radcliffe 1907..... Waverly, Mass.  
*Philosophy*
- DAVIS, SARAH ELLEN, A.B. Bryn Mawr 1903..... Salem, N. J.  
*Zoölogy, Botany*
- DEAN, ROLLIN COLEGROVE, B.S. Wesleyan 1909..... Summit, N. J.  
*Zoölogy, Botany, Physiology*
- DEBOUY, CÉCILE CATHERINE CAMILLE, A.B. 1909..... New York City  
*Romance*
- DE CON, NELLIE MAUDE, B.S. 1907..... Jersey City, N. J.  
*English*
- DEGEN, CHARLES, A.B. C. C. N. Y. 1903..... New York City  
*English*
- DEMAREST, IRVING COMES, A.B. 1908, A.M. 1909..... Hackensack, N. J.  
*Greek, Latin, Sanskrit*
- DE WALSH, FAUST CHARLES, A.B. Rochester 1903..... Port Chester, N. Y.  
*Germanic*
- DICKSON, ARTHUR, B.S. C. C. N. Y. 1909..... New York City  
*English*
- DILLA, HARRIETTE MAY, A.B. Michigan 1908, A. M. 1909..... Waterloo, Ind.  
*History, Economics*
- DIMMICK, WILLIAM WARREN, LL.B. N. Y. Univ. 1906..... Margaretville, N. Y.  
*Economics, Institutional Law, English*
- DODD, FREDERICK FERRISS, A.B. Yale, 1905..... New York City  
*History*
- DODD, MRS. LEE WILSON..... New York City  
*History*
- DOLAN, GERTRUDE IMELDA, A.B. St. Elizabeth 1909..... Mt. Vernon, N. Y.  
*German, Latin*
- DONOHUE, EUGENE ALOYSIUS, A.B. St. Francis 1908..... New York City  
*English*
- DONAHOE, REV. PETER..... New York City  
*History*
- DONALDSON, ELIZABETH, A.B. Minnesota 1900..... Minneapolis, Minn.  
*English, Roman Archaeology*
- DROB, MAX, A.B. 1908..... Pittsburgh, Pa.  
*Philosophy, Economics*
- DRURY, CHARLES WILLIAM, B.Sc. Queen's 1909..... Kingston, Ont., Canada  
*Chemistry, Metallurgy*
- DUBREUIL, WALTER WILLIAM, A.B. Amherst 1908..... Worcester, Mass.  
*Biological Chemistry*
- DUNN, WILLIAM FARMLY, A.B. Princeton 1908..... Philadelphia, Penn.  
*Social Economy*
- EASTMAN, ELMER FRED, A.B. Wooster 1908..... Lima, Ohio  
*English, Sociology, History*
- EASTMAN, FREDERIC CROOK..... New York City  
A.B. Williams 1896, M.D. L. I. Coll. Hosp. 1899  
*Psychology, Neurology*
- EATON, MARY PEARL, A.B. Wellesley 1904..... New York City  
*Social Economy*
- ECKSTEIN, MOSES..... Philadelphia, Pa.  
*Philosophy*
- EDMANDS, SAMUEL SUMNER, B.S. Worcester Poly. 1899..... New York City  
*Mathematical Physics*
- EDSON, ELIE CHARLIER, A.B. Harvard 1908..... New York City  
*Social Economy, Economics*

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*Zoology, Physiology*
- EGAN, ROSE F., A.B. Syracuse 1900.....Syracuse, N. Y.  
*Comparative Literature, English, History*
- EGLESTON, JEAN DUNBAR, A.B. 1904.....Elizabeth, N. J.  
*Social Economy, Anthropology*
- ELIOT, SAMUEL ELY, A.B. Washington 1905, A.B. Oxford 1908..... Eugene, Oregon  
*Psychology, Zoology*
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*Education, Philosophy*
- ELTING, MABEL, A.B. 1901.....New Paltz, N. Y.  
*English*
- ENDERS, HENRY CORNELIUS.....New York City  
*Chemistry*
- ENNIS, AGNES ALOYSIA, A.B. Normal 1909.....New York City  
*Botany, Zoology, Physiology*
- ERWIN, EDWARD JONES, A.B. Davidson 1906, A.M. 1907..... Morganton, N. C.  
*English, Romance*
- ESTES, CHARLES EDWARD, A.B. Dartmouth 1905.....Somersworth, N. H.  
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*Sociology, Economics, History*
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*History*
- FEINBERG, BENJAMIN GEORGE, B.S. C. C. N. Y. 1906.....New York City  
*Chemistry*
- FENNER, CLARENCE NORMAN, E.M. 1892, A.M. 1909..... Paterson, N. J.  
*Geology, Mining*
- FERGUSON, JOHN MAXWELL, A.M. 1909, A.B. Harvard 1908.....New York City  
*Economics, History, Sociology*
- FICHANDLER, ALEXANDER, A.B. N. Y. Univ. 1905.....New York City  
*Education*
- FISCHEL, SADIE GERTRUDE, A.B. New York Normal 1909.....New York City  
*Semitics*
- FISHER, MARIE LOUISE, A.B. N. Y. Normal 1908.....New York City  
*Germanic*
- FISHER, GERTRUDE, A.B. Wellesley 1907.....New York City  
*Chemistry*
- FISHER, HARRY LINN, A.B. Williams 1909.....Weehawken, N. J.  
*Chemistry*
- FLASHMAN, HORACE WEST, B.E. Sydney 1907.....New York City  
*Mechanical Engineering, Electrical Engineering*
- FLINT, EDGAR MARTIN, B.S. Rochester 1909.....Rochester, N. Y.  
*Chemistry, Biology*
- FLOR, VICTOR GINO DE LA.....New York City  
*Philosophy, Psychology*
- FLYNN, ELLA L., A.B. N. Y. Normal 1907.....New York City  
*Latin*
- FLYNN, MARY LOUISE, A.B. N. Y. Normal 1907.....New York City  
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- FOI, RUTH ALETHIA.....New York City  
*Sociology*
- FOSTER, WALTER EUGENE, A.B. Williams 1899.....New York City  
*Latin*



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*Turkish*
- FRACHTENBERG, LEO JOACHIM, A.M. 1906..... New York City  
*Anthropology*
- FRAME, MARGARET ANNA, Ph.B. Wooster 1905..... Zanesville, Ohio  
*English, Education, Sociology*
- FRAME, MURRAY SCOTT, A.B. Wooster 1901..... New York City  
*Arabic, Hebrew, History*
- FRANK, COLMAN DUDLEY, Ph.B. Michigan 1897, A.M. 1902..... Toledo, Ohio  
*Romance*
- FRANK, LOUISE VAN ANDEN, A.B. Vassar 1896..... New York City  
*History*
- FRANK, MAUDE MORRISON, A.B. N. Y. Normal 1907..... New York City  
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- FRANKE, CLARA ELSA, B.S. 1907, A. M. 1908..... New York City  
*German*
- FRANKLIN, ALBERTA MILDRED, A.M. 1909, A.B. Wellesley 1904 Atlantic Highlands, N. J.  
*Latin*
- FRANKLIN, MAE, A.B. Hamline, 1901..... Caldwell, Idaho  
*Linguistics, English, Latin*
- FRANZEN-SWEDELIUS, BERNARD, Ph.D. 1908..... New York City  
*Romance*
- FREEBURG, VICTOR OSCAR, A.B. Yale 1905, A.M. 1908..... New York City  
*English*
- FRENCH, HELEN TOPPING, A.M. 1903, A.B. Oberlin 1898..... New York City  
*English*
- FREND, MAY, A.B. N. Y. Normal 1909..... New York City  
*English*
- FRIEDMAN, WILLIAM HENRY, E.E. 1907, A.M. 1909..... New York City  
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- FRITTS, ADA CATHARINE, A.B. Cornell 1904..... Phillipsburg, N. J.  
*Latin*
- FULLER, LESLIE ELMER, B.S. Pomona 1907..... Redlands, Calif.  
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- GAMIÓ, MANUEL, A.B. Mexico, 1902..... Montezimo, Mex.  
*Anthropology*
- GARDNER, LULU, A.B. Kansas 1905..... Ness City, Kan.  
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*Philosophy*
- GATES, ARTHUR LOREN, A.B. Northwestern 1903..... Oxford, Ohio  
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- GAYER, CAPT. HUGH WALTER..... London, England  
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- GEIGER, GEORGE AUGUSTUS, A.B. Harvard 1908..... West Orange, N. J.  
*Chemistry*
- GEIGERMAN, ANNE..... New York City  
*Philosophy*
- GERRISH, WILLIAM CHURCHILL, A.M. 1907; A.B. 1899..... New Canaan, Conn.  
*History*
- GIBSON, WILLARD ANSLEY, A.B. Williams 1909..... Salamanca, N. Y.  
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- GILBERTSON, HENRY STIMSON, A.B. California 1903..... Oakland, Calif.  
*History, Constitutional Law*

- GITTINGS, JOHN STERETT, JR., A.B. Harvard 1909..... Baltimore, Md.  
*International Law History*
- GLASS, META, A.M. Randolph-Macon 1899..... Lynchburg, Va.  
*Latin, Greek, History*
- GODDARD, MARTHA FREEMAN, B.S. Wellesley 1892..... Worcester, Mass.  
*Biology*
- GOERTNER, ROSAMOND, B.S. 1907..... New York City  
*Education*
- GOGIN, ELEANOR GERTRUDE, A.B. Vassar 1908..... Boston, Mass.  
*History, Comparative Literature, Education*
- GOLDENWEISER, ALEXANDER A., A.B. 1902; A.M. 1904..... New York City  
*Anthropology, English*
- GOLDSMITH, ALFRED NORTON, B.S. C. C. N. Y. 1907..... New York City  
*Physics, Mathematics*
- GOODWIN, ETHEL LIZZIE, A.B. 1909..... New York City  
*Economics, Sociology, Mathematics*
- GRAVES, GORDON HARWOOD..... Richmond, Ind.  
A.M. 1909, B.S. Earlham 1905, A.B. Haverford 1906  
*Mathematics, Physics, Education*
- GREEN, HOWARD CHARLES, A.B. C. C. N. Y. 1902..... East Orange, N. J.  
*History, Economics*
- GREEN, JOHN C. JR., B.S. C. C. N. Y. 1904..... New York City  
*Psychology*
- GREENE, LILLA ABIGAIL, A.B. Penna. College 1908..... Hoosick Falls, N. Y.  
*Social Economy, English*
- GREENSLADE, WILLIAM GAINS, A.B. Whitman 1907..... Walla Walla, Wash.  
*History*
- GREGORY, RUSSELL STANLEY, A.B. Williams 1905..... New York City  
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- GRIFFITHS, ANNA BUSSEY, A.B. Vassar 1901..... Yorkville, N. Y.  
*English*
- GRIMES, JOHN ALDEN, E.M. Minnesota 1908..... Minneapolis, Minn.  
*Geology, Paleontology, Metallurgy*
- GRINFELD, ISAAC, B.C.S. N. Y. Univ. 1909..... Buenos Aires  
*Economics, History, Sociology*
- GROCE, ELIZABETH LOUISE, A.B. Trinity 1909..... Warahachie, Texas  
*Philosophy, English*
- GRUBER, AGATHA ELIZABETH, A.B. Smith 1907..... New York City  
*German*
- HAAGE, MARY C., A.B. N. Y. Normal 1908..... New York City  
*Latin*
- HAAS, GEORGE CHRISTIAN OTTO, A.B. 1902, A.M. 1903, Ph.D. 1909.... New York City  
*Indo-Iranian*
- HADLEY, ROSS ALBERT, B.S. Penn. Coll. Iowa 1905..... New York City  
*Sociology*
- HADSELL, WILLARD LEROY, A.B. Neb. Wesleyan 1907..... Port Murray, N. J.  
*Sociology, Social Economy, Philosophy*
- HAESSLER, LUISE, A.B. Chicago 1906..... New York City  
*Germanic, English*
- HAIGHT, HELEN IVES, A.B. Vassar 1898..... Auburn, N. Y.  
*Latin*
- HALL, HENRY MARION, A.M. 1909, A.B. Harvard 1899..... New York City  
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- HALL, MARGARET WOODBURN, A.B. Vassar 1903..... Lowell, Mass.  
*Romance*

- HALLIDAY, EDGAR, A.M. 1902, A.B. Princeton 1898.....New York City  
*Latin*
- HALLIDAY, VERNON B.L. Cincinnati 1899.....Cincinnati, O.  
*Social Economy*
- HALPERN, MORRIS, A.M. 1909.....New York City  
*Sociology, Economics, Jurisprudence*
- HAMILTON, GEORGE LEONARD, A.B. Trinity 1908.....Humboldt, Tenn.  
*Philosophy*
- HANDMAN, MAX SYLVIVS, A.B. Oregon 1907.....Kingston, N. Y.  
*Economics, Sociology, Philosophy*
- HARDY, RUTH GILLETTE, A.B. 1909.....New York City  
*History*
- HARKEY, TULA LAKE, A.B. Colorado 1909.....Birmingham, Ala.  
*Zoölogy, Physiology*
- HARPER, SAMUEL NORTHRUP, A.B. Chicago 1902.....Chicago, Ill.  
*Constitutional Law, Jurisprudence*
- HARRIS, HARRY CLEVELAND, A. B. Pennsylvania 1908.....New York City  
*Semitics, Philosophy*
- HARRIS, THOMAS LE GRAND.....Bloomington, Ind.  
A.B. Indiana 1892, A.M. 1895, A.M. Harvard 1899  
*History, International Law*
- HARRISON, PERCY G., E.M. Mich. Coll. of Mines 1909.....Minneapolis, Minn.  
*Metallurgy, Geology*
- HART, JESSIE LEE, A.M. Kansas 1904.....Newton, Kansas  
*English*
- HARTMANN, JACOB WITTMER, B.S. C. C. N. Y. 1901.....New York City  
*Germanic*
- HARTSON, LOUISE DUNTON, Ph.B. Iowa 1908, Pd.M. N. Y. Univ. 1909....Ottumwa, Ia.  
*Psychology, Philosophy, Anthropology*
- HARVEY, EDMUND NEWTON, B.S. Pennsylvania 1909.....Germantown, Penn.  
*Zoölogy, Chemistry*
- HARVITT, HELEN JOSEPHINE, A.B. 1907.....New York City  
*Romance, Comparative Literature*
- HASTINGS, JOHANNES, Ph.D. Jena 1908.....New York City  
*History, Education*
- HATHAWAY, GALEN BISHOP, A.M. 1906, A.B. Missouri State 1902.....New York City  
*Economics, English, Sociology*
- HATTAM, ISAAH MURADKHAM.....Urumiah, Persia  
*Philosophy*
- HAUSMANN, ERICH, E. E. Bklyn. Poly. 1908.....New York City  
*Physics*
- HAYES, LUCILE M., A.B. Woman's Coll., Baltimore, 1907.....Westfield, N. J.  
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- HAYNES, GEORGE EDMUND, A.B. Fisk 1903, A.M. Yale 1904.....Hot Springs, Ark.  
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- HAZEN, MARTHA MERRILL, A.B. Mt. Holyoke 1896.....Beverley, Mass.  
*Latin*
- HEADLEY, MADGE DORLAN, A.B. De Pauw 1898.....Chicago, Ill.  
*Sociology*
- HEIDELBERGER, MICHAEL, B.S. 1908, A.M. 1909.....New York City  
*Chemistry*
- HEIMROD, ALBERT ADOLPH, B.S. Nebraska 1906.....Berne, Switzerland  
*Metallurgy*
- HELLIN, LILIAN, A.B. 1907.....New York City  
*Germanic*
- HELMRICH, ELSIE WINIFRED, A.B. 1908 A.M. 1909.....New Rochelle, N. Y.  
*Germanic, Latin*

- HENDRICKS, ETHEL, A.B. 1905, A.M. 1907.....New York City  
*Economics*
- HENNING, JULIA R.....Richmond, Va.  
*History, Sociology, Philosophy*
- HENNION, MARION GARNETT, A.B. St. Elizabeth 1909.....Paterson, N. J.  
*German, English*
- HENRICKS, WALTER ABRAHAM, A.B. Princeton 1907.....New York City  
*English*
- HERBERT, LEON MOSES, A.M. 1908, A.B. C. C. N. Y. 1906.....New York City  
*Greek, Latin*
- HERENDREN, JANE EFFIE.....New York City  
*English*
- HETZEL, MARGARET HUNT, B.S. N. Y. Univ. 1908.....Newark, N. J.  
*English*
- HIGGINSON, JAMES JACKSON, JR., A.B. Harvard 1907, A.M. 1908.....New York City  
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- HIGH, HAROLD GRIFFITH, A.B. Brown 1909.....Providence, R. I.  
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- HILKEY, CHARLES JOSEPH, A.B. Emporia 1905, A.M. Kansas 1907.....Lyndon, Kan.  
*Constitutional Law, Jurisprudence, History*
- HILL, EDITH NAOMI, A.B. Smith 1903.....New York City  
*English, History, Philosophy*
- HILL, ROSCOE R., A.B. Eureka 1900.....New York City  
*History, Constitutional Law*
- HILLER, ROBERT HENRY, A.B. Wittenberg 1889, A.M. 1892.....New York City  
*Latin, Greek, Education*
- HINCKEN, ELSIE ONDERDONK, A.B. Vassar 1906.....New York City  
*History, English*
- HING, PETER, B.C.L. McGill 1909.....Vancouver, B. C.  
*International Law, Constitutional Law, Administrative Law*
- HIRSCHENSOHN, ESTHER, A.M. 1907.....Hoboken, N. J.  
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- HITOMI, JUNNOSUKE, A.B. Waseda 1899.....Kyoto-Fu, Japan  
*History*
- HOERMANN, MARTHA, A.B. 1908.....Hoboken, N. J.  
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*History, Economics*
- HOLMAN, NORA.....Prince Edward Island, Can.  
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*Chemistry*
- HOPKINS, MARY DELIA, A.B., A.M. Bryn Mawr 1896.....Clinton, N. Y.  
*Latin*
- HORIUCHI, SHUNTARO, A.B. Waseda 1903.....Tokio, Japan  
*Economics, Sociology, International Law*
- HORN, ELIZABETH, A.B. 1903.....Martin's Creek, Penn.  
*Latin*
- HOUSE BEVERLY PRYOR, A.B. Kentucky 1904, A.M. 1905.....Manchester, Ky.  
*Constitutional Law, Sociology*

- HOUSTON, ALFRED, LL.B. 1909, A.B. St. John's 1906, A.M. 1909. . . . . New York City  
*International Law*
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- HOYT, SARAH FENTON, A.B. Barnard 1905. . . . . New York City  
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- HUA, YU-PENG, Ph.B. Yale 1908. . . . . Souchow, China  
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- HUBBELL, CLARA MARVIN, A.B. Smith 1887. . . . . New York City  
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- HUGHAN, JESSIE WALLACE, A.B. 1898, A.M. 1899. . . . . New York City  
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- HURWITZ, SOLOMON THEODORE HALIVY, A.B. N. Y. Univ. 1909. . . . . New York City  
*Semitics, Indo-Iranian*
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*History*
- REILLY, JOSEPH JOHN, A.M. 1909, A.B. Holy Cross 1904, A.M. 1906.. Springfield, Mass.  
*English*
- REITLINGER, BLANCHE HORTENSE, A.B. 1905, A.M. 1908..... New York City  
*Economics*
- REYNOLDS, ALBERT H., A.B. Michigan 1909..... Potsdam, N. Y.  
*Comparative Religion*
- RHODES, CLARA LAWTON, B.L. Shorter 1892..... Rome, Ga.  
*English, Comparative Literature*
- RICHARDSON, RUTH WORK, A.B. Hollins 1904..... Hartsville, S. C.  
*English, Comparative Literature, Psychology*
- RICHARDSON, SOPHIA FOSTER, A.B. Vassar 1879..... Poughkeepsie, N. Y.  
*Mathematics*
- RICKETTS, BERTHA LOUISE, B.S. Millsaps 1909..... Jackson, Miss.  
*English, Psychology*
- ROBERTS, GEORGE HENRY, A.B. Dartmouth 1891..... Boston, Mass.  
*Physics, Music*
- ROBERTSON, MARGARET LOUISE, A.B. Toronto 1894..... New York City  
*Mathematics, English, History*
- ROBINSON, JAMES HOWARD, A.B. Hamline 1908..... New York City  
*Greek*
- ROCHE, JOSEPHINE ASPINWALL, A.B. Vassar 1908..... Denver, Col.  
*Social Economy, Economics, History*
- ROCHESTER, MARY MURIEL, A.B. N. Y. Normal 1908..... New York City  
*Latin*
- RODMAN, HENRIETTA, B.S. 1903..... New York City  
*Social Economy, Sociology*

- ROELKEY, DAVID ERNEST, A.B. Fordham 1905.....New York City  
*Bacteriology*
- ROESSLER, ERWIN WILLIAM EUGENE, A.B. 1900.....Chicago, Ills.  
*Germanic*
- ROGAN, M. ELINOR, A.B. St. Angela 1909.....Yonkers, N. Y.  
*English*
- ROOF, EDNA LEE, B.L. Pomona 1908.....Claremont, Calif.  
*English*
- ROSENBLATT, FRANK FERDINAND, A.B. 1907, A.M. 1908.....New York City  
*Economics, Sociology, Philosophy*
- ROSENTHAL, BLANCHE, A.B. N. Y. Normal 1909.....New York City  
*Philosophy, Sociology*
- ROTHSCHUH, RUDOLF HERMAN OTTO, Equiv. A.B. Eisenach 1909.....New York City  
*Constitutional Law, Sociology, Economics*
- ROUNDS, DORA MADELINE, A.B. Wellesley 1896.....Rochester, N. Y.  
*English, Education*
- ROWLAND, HENRY HOSIE, A.B. Harvard 1906.....New York City  
*Chinese, Hebrew*
- ROY, MALCOLM MILLER, A.B. 1909.....Irvington on Hudson, N. Y.  
*History, Jurisprudence, Sociology*
- RUDDOCK, ALBERT BILLINGS, A.B. Yale 1907.....New York City  
*Constitutional Law, International Law, History*
- RUSHMORE, ELSIE MITCHELL, A.M. 1908, A.B. Vassar 1906.....New York City  
*History, Sociology*
- RYAN, WILL CARSON, JR., A.B. Harvard 1907.....Nutley, N. J.  
*Germanic*
- RYDENE, ALMA PAULINE, B.S. 1908.....New York City  
*English*
- SACHS, ALICE, A.B. Bryn Mawr 1908.....New York City  
*English*
- SACKETT, NATHAN, Ph.B. Brown 1906.....Providence, R. I.  
*Mathematics*
- ST. JOHN, WALLACE, A.B. Denison 1893, B.D. Chicago 1898, Ph.D. 1900, Rangoon, India  
*Philosophy*
- SAMUELS, A. BERTRAM, A.B. 1907, A.M. 1909.....New York City  
*English*
- SANDERSON, MARY LOGAN, A.B. Central 1908.....Richmond, Ky.  
*English, Education*
- SANFORD, D. McKEAN.....Poughkeepsie, N. Y.  
*Sociology*
- SARANOV, CHRISTINE ELIZABETH, B.S. 1909.....New York City  
*German, French*
- SATO, SAZABURO, A.M. Oberlin 1908.....Tokio, Japan  
*Economics*
- SAUNDERS, AMY W.....New York City  
*Social Economy*
- SAUNDERS, WILLIAM DANIEL.....New York City  
*Philosophy, Sociology*
- SAKE, JOSEPH ARCHIBALD, B.S. Penn. State 1908.....Scranton, Pa.  
*Geology, Mining, Metallurgy*
- SCHEIB, RICHARD, A.B. 1909.....New York City  
*Germanic, Education*
- SCHERMERHORN, JOHN EGMONT, A.B. 1907.....New York City  
*English*
- SCHMALHAUSEN, SAMUEL DANIEL, A.B. C. C. N. Y. 1909.....New York City  
*Economics, Social Economy, Sociology*

- SCHODTS, LILY MARGARET.....New York City  
A.B. N. Y. Normal 1902, A.M. N. Y. Univ. 1903  
*Latin*
- SCHOENFELD, JULIA, A.B. Allegheny 1897.....Johnstown, Pa.  
*Social Economy, Sociology, Philosophy*
- SCHONBERG, MAX, A.B. 1907.....New York City  
*Sociology*
- SCHORER, ARNO ROBERT, A.B. Wisconsin 1906.....New York City  
*Sociology*
- SCHOTTLAND, JOSEPH, A.M. 1907, A.B. C. C. N. Y. 1904.....New York City  
*Philosophy*
- SCHUCHARD, GOTTLIEB CARL.....New York City  
*English*
- SCHULZ, GUSTAV FREDERICK, A.M. 1909, B.S. C. C. N. Y. 1907.....New York City  
*English, German*
- SCHWARZ, OSIAS L., A.M. 1908, A.B. Bucharest 1897.....New York City  
*Anthropology*
- SCHWARZE, CARL ALOIS, B.S. Missouri 1909.....New York City  
*Botany, Zoology*
- SCOTT, MARGARET, A.B. Woman's State 1902.....Poplarville, Miss.  
*English, History*
- SCRUGHAM, MARY, A.B. Kentucky State 1906.....Lexington, Ky.  
*History, Sociology*
- SEBHELOV, GERDA.....New York City  
*Anthropology, Psychology*
- SECOR, JOY, A.B. Carleton 1902.....Winnebago, Minn.  
*English, Social Economy*
- SEGAL, MYER, A.B. Bates 1909.....St. John, N.B. Can.  
*Germanic, Comparative Literature*
- SELLE, ERWIN STEVENSON, A.B. Washburn 1908.....Cameron, Mo.  
*Sociology*
- SELWYN-BROWN, ARTHUR, B.S. N. Y. Univ. 1906, A.M. 1908, Ph.D. 1909 New York City  
*Constitutional Law*
- SESSO, PAULINE MATILDA, B.S. N. Y. Univ. 1909.....New York City  
*Germanic*
- SEVERANCE, GEORGE HENRY, JR., A.B. Middlebury 1908.....Claremont, N. H.  
*Philosophy*
- SHEAR, NORA.....New York City  
*Semitics*
- SHENTON, HERBERT N., Ph.B. Dickinson 1906, A.M. 1909.....Madison, N. J.  
*Sociology, History*
- SHEPPARD, OLGA DE GRAFFENREID, A.B. Randolph Macon 1909....Texarkana, Texas  
*Philosophy*
- SHILOTRI, PRABHAKER SADASHIR, A.M. 1909, A.B. Cornell 1908.....Bombay, India  
*Economics, Sociology, Psychology*
- SHIRES, HENRY HERBERT, E.M. Cornell 1908.....Troy, N. Y.  
*Sociology*
- SKIPP, HENRY JOHN, A.B. Denison 1904.....New York City  
*Germanic, English*
- SLATTERY, JOHN RICHARD.....Paris, France  
*Jurisprudence, International Law*
- SLOAN, RUTH ANNETTE, Ph.B. Franklin 1904.....Franklin, Ind.  
*English, Education*
- SMITH, BEULAH BLANCH, Ph.B. Western Reserve 1904.....Cortland, Ohio  
*History, Sociology, Education*
- SMITH, EMMA PETERS, A.M. 1909, A.B. Woman's College 1904.....Baltimore, Md.  
*History, Economics*



- SMITH, FLORENCE MARY, A.M. 1908, A.B. Illinois 1899, A.M. 1906. . . . . Albion, N. Y.  
*English, Education*
- SMITH, LOUISE, A.M. 1908, A.B. Smith 1897. . . . . New York City  
*Latin*
- SMITH, NELLIE MAY, A.B. Vassar 1898. . . . . New York City  
*Social Economy*
- SMITH, OLIVE ANNE, A.B. Wellesley 1907. . . . . Plattsburgh, N. Y.  
*History, Education*
- SMITH, SAMUEL EARNEST, A.B. Pennsylvania 1907. . . . . Millville, Pa.  
*Sociology, Philosophy, History*
- SMITH, WILLIAM MACKEY, Ph.B. Lafayette 1903. . . . . Easton, Pa.  
*Mathematics*
- SMITH, WINIFRED, A.M. 1907, A.B. Vassar 1904. . . . . Meadville, Pa.  
*Comparative Literature, English*
- SOLOMON, WALTER LEO, A.B. 1906, A.M. Harvard 1907. . . . . New York City  
*Sociology, Philosophy*
- SOULE, FREDERICK JUDSON, A.M. 1909, A.B. Alma 1906. . . . . Alma, Mich.  
*Sociology, Economics*
- SPARKS, ELEANOR. . . . . New York City  
*Social Economy*
- SPAULDING, LEILA CLEMENT, A.M. 1901, A.B. Vassar 1899. . . . . New York City  
*Classical Archaeology*
- SPITZ, EDWARD F., A.B. 1906, A.M. 1907, LL.B. 1909. . . . . New York City  
*International Law, Economics*
- SPOONER, GEORGINA B., A.M. 1908, A.B. Vassar 1907. . . . . New York City  
*Zoology*
- STADIE, WILLIAM CHRISTOPHER, B.S. N. Y. Univ. 1907. . . . . New York City  
*Chemistry*
- STAELIN, LEONIE EUGENIE, B.S. 1909. . . . . New York City  
*Germanic, English*
- STAIR, BIRD WILLIAMS, B.S. Purdue 1899, M.S. 1901. . . . . New York City  
*English*
- STAMM, CAROLINE L., B.S. 1909. . . . . Mt. Vernon, N. Y.  
*Germanic, Education*
- STANTON, PRISCILLA DIXON. . . . . New York City  
*English*
- STEINMAN, DAVID BERNARD, C.E. 1909, A.M. 1909, B.S. C. C. N. Y. . . . . New York City  
*Civil Engineering, Mathematics*
- STEITZ, AUGUST, A.B. N. Y. Univ. 1905, A.M. Yale 1906. . . . . New York City  
*Germanic, Education*
- STEVENS, CLARENCE DIMICK, A.M. 1907, B.S. Wabash 1894. . . . . Mt. Vernon, Iowa  
*English, Comparative Literature*
- STEVENS, JUNIUS WOODS, Ph.B. Syracuse 1895. . . . . Bloomfield, N. J.  
*English*
- STONE, M. GRACE, A.B. Wellesley 1889. . . . . New York City  
*Latin*
- STRATFORD, ALINE CROQUET, A.B. 1897, A.M. 1899. . . . . New York City  
*English*
- STREETER, STELLA GEORGIANA, A.M. 1903, B.L. Smith 1898. . . . . Cummingtown, Mass.  
*Botany*
- STREUBEL, ERNEST J., A.B. Bklyn. Polytechnic 1905, A.M. 1906. . . . . New York City  
*English*
- STRONG, EDWARD KELLOGG, B.S. California 1906, M.S. 1909. . . . . San Francisco, Cal.  
*Psychology, Education*
- STUART, SUZETTE KEMPER GRUNDY, A.B. Bryn Mawr 1907. . . . . New York City  
*Philosophy, Social Economy*

- STURGES, HERBERT ARTHUR, A.B. Oberlin 1904, A.M. 1905.....Painesville, Ohio  
*Philosophy*
- SULLIVAN, TIMOTHY FRANCES XAVIER, A.B. C. C. N. Y. 1907..... New York City  
*Biological Chemistry*
- SURREY, NANCY MARIA MILLER, B.S. Chicago 1904, A.M. Wisconsin 1908, New York City  
*History, Sociology*
- SUZUKI, YOSHIMITSU, A. M. 1908, A.B. Williams 1907.....Otsu Omi, Japan  
*Philosophy*
- TANZER, HELEN H., A.B. 1903..... New York City  
*Greek*
- TAYLOR, RUPERT, A.B. Arkansas 1903, A.M. 1906.....Corning, Ark.  
*English*
- TAYLOR, SARAH, A.B. Wooster 1904.....Washington, Ky.  
*English, German*
- TAYLOR, VIRGINIA, A.B. 1906..... South Orange, N. J.  
*History*
- TEA, MARY ANTOINETTE, A.B. N. Y. Normal 1905.....New York City  
*Romance, English*
- THARP, EARL, LL.B. Mercer 1906..... New York City  
*Social Economy, Economics, Constitutional Law*
- THOMAS, DANIEL, A.B. Dartmouth 1907.....Neath, Pa.  
*Sociology*
- THOMAS, HELEN LOUISE, A.M. 1903, A.B. Boston 1890..... Collingswood, N. J.  
*Education*
- THOMPSON, CLARA MILDRED, A.M. 1907, A.B. Vassar 1903.....Atlanta, Ga.  
*History*
- THOMPSON, LOUISE, A.B. Michigan 1898.....New York City  
*Germanic*
- THOMSEN, EDGAR GEORGE, B.S. 1907, A.M. 1908.....Rochester, N. Y.  
*Chemistry, Physics*
- TILNEY, FREDERICK, A.B. Yale 1897, M.D. L. I. Coll. Hosp. 1903.....New York City  
*Anatomy*
- TODD, JOHN ROBINSON, A.B. Dickinson 1887, A.M. 1890.....Aberdeen, Md.  
*History*
- TOMPKINS, NANNA MAY, A.M. 1907, A.B. Vassar 1894.....Poughkeepsie, N. Y.  
*History, Sociology*
- TOPP, EMILY, A.B. N. Y. Normal 1909.....New York City  
*Botany*
- TORTORA, ALBERT, B.S. 1908.....New York City  
*Physics, Education*
- TOWNSEND, MARY EVELYN, A.B. Wesleyan 1905.....Elizabeth, N. J.  
*History, Sociology*
- TRARY, MARIE HARRIETTE.....Friendship, N. Y.  
*English*
- TREDWELL, ELIZABETH ALDEN SEABURY TREDWELL.....New York City  
A.B. 1908, A.M. 1909  
*History*
- TRUAX, RARAUD H., A.B. Hamilton 1909.....New York City  
*Philosophy, Psychology*
- TRUESDELL, WALDO BROMLEY, A.B. Harvard 1897.....Wilton, N. C.  
*Physics*
- TSAI, KUO TSAO, M.E. Cornell 1909.....Tientsin, China  
*Electrical Engineering, Metallurgy, Chemistry*
- TSU, ANDREW YU YUE, A.B. St. John's 1907.....Shanghai, China  
*Sociology*

- TSUDA, SEIZABURO, A.B. Waseda 1902.....New York City  
*Economics, History*
- TURNER, JOHN PICKETT, A.B. Vanderbilt 1900, A.M. 1901.....New York City  
*Philosophy, Psychology*
- TURNER, MABEL BASCOM, A.B. Mt. Holyoke 1908.....Jersey City, N. J.  
*History, Sociology*
- TUTHILL, BURNET C., A.B. 1909.....New York City  
*Chemistry*
- TYNG, ELIZABETH MCJ., A.M. 1904, A.B. Cornell 1903.....New York City  
*Latin*
- UNDERWOOD, ELIZABETH, A.B. Smith 1892.....New York City  
*History*
- VALENTINE, HENRY DICKSON, A. B. Princeton 1907.....New York City  
*English*
- VAN BUSKIRK, EDGAR FLANDREAU, A.B. Rochester 1907.....New York City  
*Physiology, Bacteriology*
- VANDEBURGH, FREDERICK AUGUSTUS, Ph.D. 1908, A.B. Rochester 1876. New York City  
*Assyrian*
- VAN DOREN, CARL, A.B. Illinois 1907.....Urbana, Ill.  
*English, Comparative Literature*
- VAN KIRK, HIRAM, A.B. Hiram 1892, Ph.D. Chicago 1900.....New York City  
*Philosophy*
- VAUGHN, HARVEY PENN, A.M. 1909, A.B. Southern 1904.....New York City  
*Sociology, Economics, History*
- VESELY, JOSEF, Equiv. A.B. Carl-Ferdinand 1906.....New York City  
*Mathematics, Philosophy, English*
- VEXLER, FELICIN, A.M. 1909.....New York City  
*Romance, Philosophy*
- VILLELLI, JOSEPH ANTHONY.....Bayonne, N. J.  
*Sociology*
- VIMONT, LOUISE LÉONIE, A.B. Adelphi, 1909.....New York City  
*French*
- VINING, IRVING EDWIN.....New York City  
*Sociology*
- VITAL, JOSEPH, Equiv. A.B. Capuchin Semy. Rome 1890.....Yonkers, N. Y.  
*Philosophy, Psychology, Latin*
- VON UNWORTH, FRIDA, Ph.B. Chicago 1903.....New York City  
*English*
- WADE, THOMAS HENRY.....Smith Station, Ala.  
 A.M. 1909, A.B. Emory 1902, A.B. Oxford 1908  
*English*
- WAGENSCHÜTZ, ANNE LOUISE, Ph.B. Cornell 1897.....New York City  
*German*
- WAITE, ELIZABETH RICHARDSON, A.B. Wellesley 1895.....Passaic, N. J.  
*Germanic*
- WAKEFIELD, ARTHUR, A.B. Brown 1900, A.M. 1901.....Providence, R. I.  
*English*
- WALDO, RUTH FANSHAW, A.B. Adelphi 1909.....Willimantic, Conn.  
*Social Economy*
- WALDSTEIN, ABRAHAM SOLOMON, A.B. Harvard 1906.....New York City  
*Semitics, Sociology*
- WALTON, JOSEPH BARNARD, A.M. 1908, A.B. Pennsylvania 1905....Ercildown, Penn.  
*Philosophy*
- WARD, ETHEL GEORGIA, A.B. Western Reserve 1905.....Willoughby, Ohio  
*English, Education*

- WATERMAN, THOMAS TABLOT, A.B. California 1907..... Fowler, Calif.  
*Anthropology*
- WATT, HELEN SHIRLEY, A.B. Mount Holyoke 1904..... Elizabeth, N. J.  
*Chemistry*
- WAX, LEO WILLIAM, B.S. 1907..... New York City  
*Economics, Sociology, German*
- WEAGLE, JAMES ALBERT, A.B. Kings 1905, North Brookfield..... Nova Scotia, Can.  
*Philosophy*
- WEAKLAND, MARY, A.B. Notre Dame 1909..... Meyersdale, Penn.  
*English, Comparative Literature*
- WEED, INIS, A.B. Minnesota 1899..... Schoolcraft, Mich.  
*Sociology*
- WEIMAR, GEORGE MARTIN, A.B. Rochester 1904..... Alexander, N. Y.  
*English*
- WEISMAN, CHARLES, B.S. C. C. N. Y. 1900..... New York City  
*Chemistry, Education*
- WELLE, EDITH, A.B. 1905..... Paterson, N. J.  
*Germanic*
- WELLINGTON, ELIZABETH ELLIOTT, A.B. Vassar 1901..... New York City  
*English*
- WEN, CHING YU, B.S. Mass. Inst. Tech. 1908, M.S. 1909..... Kwangtung, China  
*Metallurgy, Geology, Mining*
- WEYL, MINNIE, A.B. Franklin 1899..... Franklin, Ind.  
*History, Education*
- WHITAKER, WILLIAM A., JR., A.M. 1905, Ph.B. North Carolina 1904.... Salem, N. C.  
*Metallurgy*
- WHITE, ALVIN LINCOLN, B.S. Bethany 1886..... Wheeling, W. Va.  
*Civil Engineering, Geology*
- WHITE, FREDERICK CARLTON, A.B. Alfred 1895, A.M. 1902..... New York City  
*History*
- WHITFORD, EDWARD EVERETT, A.B. Colgate 1886, A.M. 1890..... New York City  
*Mathematics*
- WICKHAM, JOSEPH FRANCIS, A.M. 1908, A.B. Holy Cross 1904.... South Lee, Mass.  
*English, Comparative Literature*
- WILKER, EDITH, A.B. German Wallace 1903..... Berea, Ohio  
*English, Comparative Literature*
- WILKINS, JOHN..... New York City  
*Sociology*
- WILL, JOSEPH STANLEY, A.B. Toronto 1897..... Toronto, Can.  
*History*
- WILSON, CORA BELLE, A.B. Nashville 1902..... Monticello, Ark.  
*History, Economics*
- WIRTH, CHARLES ADOLPHUS, A.B. C. C. N. Y. 1908..... New York City  
*Physiology, Botany*
- WISCHKAEMPER, HENRY, A.B. Wartburg 1906..... Yorktown, Texas  
*Sociology, Economics, History*
- WISE, LOUIS ELSBERG, A.B. 1907..... New York City  
*Chemistry*
- WITHAM, WILLIAM EASTBURN, B.S. Dartmouth 1907..... Philadelphia, Penn.  
*Comparative Literature, English*
- WITTENBERGER, ARTHUR FREDERICK, A.B. Lenox 1901..... Denver, Col.  
*Philosophy*
- WOLCOTT, EMILY PORTER, A.B. Michigan 1904..... Tallmadge, Ohio  
*Comparative Literature*
- WOLFERZ, LOUIS E., A.B. 1908..... New York City  
*German, Education*

WOLFF, SAMUEL LEE, A.M. 1896, LL.B. 1897, A.B. Harvard 1892.....	New York City
<i>Comparative Literature</i>	
WOLFS, MARIE LEONIE, A.B. Smith 1908.....	Newark, N. J.
<i>History, Sociology</i>	
WOOD, ELVIRA, A.M. 1908.....	Waltham, Mass.
<i>Geology</i>	
WOOD, GEORGE ARTHUR, A.B. Amherst 1906.....	East Whately, Mass.
<i>History, English</i>	
WOOD, HILDA, A.B. 1909.....	New York City
<i>Greek, Latin</i>	
WOOD, MARY MORTON, A.B. Chicago 1905, A.M. Radcliffe 1906....	Eastport, Me.
<i>English</i>	
WOODBURY, WALTER BLIGH, A.B. 1908, A.M. 1909.....	Oneida, N. Y.
<i>Romance, Latin</i>	
WRIGHT, HARRISON KING, A.M. 1901, A.B. Union 1899.....	Pulaski, N. Y.
<i>Chinese</i>	
WRIGHT, KENNETH W., B.S.C.C.N.Y. 1903.....	North Pelham, N. Y.
<i>English</i>	
WRIGHT, MARGARET CHOATE, A.B. Vassar 1908.....	Pleasantville, N. Y.
<i>History, Sociology</i>	
YANAGISAWA, TAIJI, A.B. Waseda 1907.....	Nagano, Japan
<i>Sociology</i>	
YEN, HAWKLING LUGENE, A.M. 1909, A.B. St. Johns China 1907... Chêkiang, China	
<i>Constitutional Law, Administrative Law, Economics</i>	
YOUNG, LEVI EDGAR, B.S. Utah 1895.....	Salt Lake City, Utah
<i>History, Sociology</i>	
ZIEGLER, FREDERICK JACOB, A.B. Harvard 1909.....	New York City
<i>English</i>	
ZIEGLER, VICTOR, A.B. Iowa 1908.....	Iowa City, Ia.
<i>Geology, Mining, Mineralogy</i>	
ZONS, FREDERICK WILLIAM, A.B. 1907.....	New York City
<i>Chemistry</i>	
[836]	

In addition to the above 836 candidates for the degree of Master of Arts or Doctor of Philosophy, 194 are registered under the Faculty of Philosophy with education as their major subject. The names of these candidates appear in the list of graduate students under Teachers College. (See page 346.)

#### SUMMARY

STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES.....	1030
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDIDATES FOR THE DEGREE OF A.M., LL.M., OR PH.D.:	
From the School of Law.....	37
From the Schools of Mines, Engineering, Chemistry, and..	
Medicine.....	23
Grand Total.....	1090

Two hundred and eighty-nine students matriculated under the faculties of Political Science, Philosophy, or Pure Science attended the summer session of 1909, but did not register for the first term of the academic year 1909-10.



## FACULTY OF FINE ARTS

SCHOOLS OF ARCHITECTURE, MUSIC, AND DESIGN

### Officers of the Faculty

JAMES RIGNALL WHEELER, Ph.D. . . . *Acting Dean and ex-officio Member  
of the University Council*  
JAMES T. SHOTWELL, Ph.D. . . . . . *Secretary*  
ALFRED D. F. HAMLIN, A.M. (Term expires 1911) . . . *Elected Delegate  
to the University Council*

### The Faculty

President BUTLER	Professor RÜBNER
Professor HAMLIN	“ DOW
“ SHERMAN	“ SHOTWELL
“ WHEELER	“ HASTINGS
“ YOUNG	SIR PURDON CLARKE
“ FARNSWORTH	Mr. ROBINSON
“ HIRTH	Professor COX
“ MCWHOOD	“ FRENCH
“ SPRINGARN	“ LA FARGE
“ OLCOTT	Mr. SMITH
“ FLETCHER	Professor WARREN
Mr. ALEXANDER	

### Standing Committees

ON THE PROGRAM OF STUDIES: The Acting Dean (Chairman); Professors Hamlin, McWhood, Dow  
ON ADMISSIONS: Professor Hamlin (Chairman); appointments not yet made  
ON SCHOLARSHIPS: The Acting Dean (Chairman); Professors Sherman and Rübner

### General Statement

The Faculty of Fine Arts, established March 5, 1906, comprises three separately organized schools, of Architecture, of Music, and of Design. Work in Architecture and in Music has been carried on at the University, in the former subject about thirty and in the latter about fifteen years. On the other hand, until 1906, there was no attempt to make

any systematic provision for the needs of university students who seek opportunities in the study of painting, sculpture, and decoration, and it is by the creation of a School of Design in co-operation with the National Academy of Design that the University hopes in time to afford such opportunities. The establishment of this new school, as yet only tentative in its organization, was made possible by an agreement between the Academy and the University on January 12, 1906. By such agreement the Art Schools of the Academy became closely associated with the University. They remain, however, entirely under the direction of the Academy, which preserves the independence secured to it by its own separate corporate existence.

It is not the purpose of the University to develop courses in the School of Design in the direction of technique and practice; this side of the student's training must remain mainly in the hands of those who conduct the work of the Academy of Design; but it does hope, by the gradual establishment of instruction and study in the history of art and in æsthetic theory, to offer adequate training for the investigation of the problems which the artistic development of mankind suggests, to help the professional artist to a fuller realization of the human ideals which should form the background of his endeavor, and finally to lead its students in other departments to perceive the importance of the fine arts in any scheme of liberal culture.

Neither the University nor the Academy has at present at its disposal adequate resources to develop a complete system of instruction in the School of Design. A beginning, however, as set forth below (p. 311), has been made, and the University looks forward to the possibility of an adequate equipment for the new School.

A statement of the work offered by the Academy of Design will be found on page 312.

For details as to the advantages which the city of New York offers outside of the University and the Academy for the study of the fine arts, and as to the public lectures, exhibitions, and recitals maintained by the University in addition to the regular academic program, the separately printed *Announcement of the Faculty of Fine Arts* should be consulted. Those interested should also consult the *Announcement of the Summer Session* and of *Extension Teaching*.

### Admission

Except by special action of the Committee on Admissions, students under eighteen are not admitted. For the general admission regulations see page 171, and for the special regulations for the course for the bachelor's degree in Architecture, see page 306; for that of Bachelor in Music, see page 310.

### To Advanced Standing

Students desiring credit for courses pursued elsewhere must file a written application with the chairman of the Committee on Admissions on or before September 12, 1910, to reach him at least sixteen days before the University opens. The general regulations as to documents to be submitted and as to the acceptance of certificates are the same as for the Schools of Mines, Engineering, and Chemistry (see page 242).

### Non-matriculated Students

The Committee on Admissions may admit students of mature age who are not candidates for a degree or certificate to such courses as they may be qualified to pursue. The special qualifications deemed necessary in each school for admission as a non-matriculated student are:

In Architecture, a practical knowledge of architectural drawing of the five orders,\* and of shades and shadows, is required for the course in Architectural Design, and mathematics through plane trigonometry for the Mathematical and Architectural Engineering branches.

In Music, proficiency is determined by personal conference with some officer of the School.

In Design, students in the National Academy of Design and such other persons as have had adequate training and experience either in the history and theory or in the practice of the fine arts are admitted under this provision.

Non-matriculated students will be permitted to matriculate at any time upon fulfilling the stated entrance requirements, or they may be excused from these requirements by vote of the Faculty, if their work has shown marked excellence.

### Fees

(See page 39)

### Fellowships and Scholarships

(See page 436)

### Examinations

Regular examinations in each course are held at the end of each half-year. All other examinations, except examinations for admission to advanced standing, are special examinations, for which the statutory fee of \$5 is charged (see page 39). The dates of such examinations for students debarred or deficient at the regular examinations will be found in the academic calendar. Absence from any regular or delinquent examination for which a student is registered is regarded as a failure.

## SCHOOL OF ARCHITECTURE

## General Statement

The School of Architecture of Columbia University is a professional school, designed to train its graduates for the active practice of architecture. Founded in 1881, under the direction of Professor William R. Ware, as a department of the School of Mines (now the Faculty of Applied Science), it was in 1902 made an independent School, and in 1906 placed under the Faculty of Fine Arts. There are two regular courses in Architecture, one leading to the degree of Bachelor of Architecture, and the other leading to a Professional Certificate in Architecture.

The equipment of the school consists of about 18,000 photographs and 800 books, chiefly the gift of Mr. F. A. Schermerhorn; a classified library of many thousands of prints and plates; a collection of manuscript drawings from the *École des Beaux-Arts* and other sources; about 9000 lantern-slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of Mr. Charles F. McKim; and an architectural museum containing a collection of models, building stones, tools, and materials. The Avery Architectural Library of 18,000 volumes is the richest collection of works on architecture and allied arts in the country.

Lectures to students of architecture on scientific subjects allied to architecture are given in the Department of Physics, and the laboratories of the Schools of Engineering offer unexcelled opportunities to advanced students in architectural engineering.

The Willard collection of architectural casts and models in the Metropolitan Museum of Art is open to students every day and two evenings in the week. Buildings and building operations of great value and interest are always within reach, and visits and excursions during the second half of each year furnish specific opportunities for profiting by them.

## Admission

(For general regulations see page 117)

## To Candidacy for the Degree of Bachelor of Architecture

Candidates must have completed the equivalent of two years of study in some recognized college or scientific school. This preliminary training must include elementary French and some time may be saved by the anticipation of courses in mathematics; professional courses in architecture, however, may not be counted a part of such study, the purpose of which is to supplement, not to anticipate, the professional course offered by this School.

Candidates must also show a practical knowledge of the orders of architecture, of elementary projections and shades and shadows, of the elements of architectural rendering, and of freehand drawing.

### To the Course for the Certificate

(See page 171)

### Students from Other Institutions

Male students of any incorporated school of art in New York City and duly accredited students from the *ateliers* of the Society of Beaux-Arts Architects of this city may be admitted, upon payment of the prescribed fees, to the courses in the Elements of Architecture, Projections, and Shades and Shadows, Perspective, Descriptive Geometry, Theory, the History of Architecture, and the History of Ornament (Courses 1, 5, 6, 7-8, 21-22, 23-24, 25-26, 31-32, 33-34, 35-36, 51-52, 53, 54, and 55; see page 57).

### Program of Studies

#### For the Degree of Bachelor of Science in Architecture

The course outlined below is of indeterminate duration. Students of fair ability and thorough preparation should be able to complete it in four years. Entering students should confer with the Executive Head of the School, who will assist them in planning a definite schedule suited to their qualifications and needs. The degree may be awarded at the beginning of either half-year or at Commencement.

For a short statement of the scope of the following courses see pages 52-170. A much fuller statement is contained in the *Announcement of the Faculty of Fine Arts*, to be had upon application to the Secretary of the University.

	POINTS
1 History of Architecture (A. 21, 22, 23, 24, 25, 26).....	12
History of Ornament (A. 31, 32, 33, 34, 35, 36).....	6
Archæology in French and German (A. 41-42, 43-44)...	8
Research.....	2
2 Mathematics (3-4, 5).....	11
Mechanics (21).....	3
Architectural Engineering (A. 17-18).....	8
3 Specifications (A. 11-12).....	4
Building Materials (A. 13-14).....	4
Office Drawings.....	2
4 Graphics (A. 5).....	3
Perspective (A. 6).....	3
Descriptive Geometry and Stereotomy (A. 7-8).....	6
Isometric and Advanced Projections (A. 10).....	2



5	Architectural Drawing (A. 3).....	4
	Elementary Drawing (A. 71-72).....	3
	Modelling, Water Colors (A. 73-74).....	3
	Advanced Drawing (A. 75-76, 177-178).....	7
6	Theory of Design (A. 51-52, 53, 54, 55).....	7
	Elements of Architecture (A. 1).....	2
	Applied Elements (A. 2).....	4
	Elementary and Intermediate Design (A. 61-62, 63-64).....	18
	Advanced Design (A. 161-162).....	15
	Thesis (A. 164).....	4
	Written Work (A. 24a, 26a, 128a).....	3
	Summer Work (A. 72a, 74a, 76a).....	6 to 9
	Total points required.....	153

The studies leading to these points may be pursued in any order and combination desired, except that the mathematical subjects and the three grades of Design must be taken in the prescribed sequence, and that advanced drawing presupposes the more elementary branches. No student may take advanced design until he has completed 58 specified points (for details see the *Announcement*).

#### For the Certificate in Architecture

This course is intended to qualify the holder for general practice, and for registry under the Architects' License Laws of Illinois, New Jersey, and California. It omits the greater part of the mathematical studies and applied mechanics required of candidates for the degree, but includes simplified courses in Graphical Statics and Elementary Engineering in their stead, and optional courses in Analytical Geometry and the Calculus, with special reference to graphical methods and their usefulness in mechanics and engineering.

1	History of Mediæval and Modern Architecture (A. 23, 24, 25, 26) .....	8
	History of Ornament (A. 31, 32, 33, 34, 35, 36) .....	6
	Research.....	4
2	Elementary Structural Design (A. 15-16).....	4
3	Specifications (A. 11-12) .....	4
	Building Materials (A. 13-14) .....	4
	Office Drawings.....	2
4	Graphics (A. 5).....	3
	Perspective (A. 6).....	3
	Descriptive Geometry and Stereotomy (A. 7-8).....	6
5	Architectural Drawing (A. 3).....	4
	Elementary Drawing (A. 71-72).....	3
	Modelling, Water Colors (A. 73-74) .....	3
	Advanced Drawing (A. 75-76, 177-178).....	7

	POINTS
6 Theory of Design (A. 51-52, 53, 54, 55).....	7
Elements of Architecture (A. 1).....	2
Applied Elements (A. 2).....	4
Elementary and Intermediate Design (A. 61-62, 63-64)....	18
Advanced Design (A. 161-162).....	18
Thesis (A. 164).....	4
Written Work (A. 24a, 26a, 128a).....	3
Summer Work (A. 72a, 74a).....	4
And in addition, to be selected from the following:	
Ancient Architectural History (A. 21, 22).....	} 4
Archæology in French and German (A. 41-42, 43-44)....	
Design (additional).....	
Drawing (additional).....	
Total points required.....	125

The regulations as to the order and combination are the same as for the candidates for the degree, except that only 32 points are required as prerequisite to Advanced Design.

### Architectural Engineering

In view of the increasing importance of engineering training in certain classes of architectural work, adequate courses of instruction are provided for those who desire to specialize in this direction. Such students substitute for the Advanced Drawing and Advanced Design an equivalent in engineering design, construction, and specifications, by means of special problems and attendance upon certain courses in the Department of Civil Engineering.

This course is open only to students who have completed the architectural engineering of Course 17-18. A thesis is required as for the course in Design, consisting of a large problem of architectural engineering worked out in full, with accompanying dissertation.

### Courses in Landscape Architecture

The Faculty of Fine Arts has established a professional course in Landscape Architecture and Engineering, under the School of Architecture, to lead to the degree of Bachelor of Architecture or a Professional Certificate. It is intended that the curriculum of this course, like that in Architecture, shall provide for a choice between engineering and architectural design in the later stages of the student's work. A part of the instruction, including that in the elements of design, architectural history and theory, and architectural graphics and drawing, will be given in the School of Architecture; the more distinctively engineering instruction, with the Mathematics, botany, dendrology, etc., will be given in the Departments of Mathematics, Civil Engineering and Botany and the history, theory and design of landscape art will be taught by experts under the auspices and by the coöperation of the American Society of Landscape Architects.

### Graduate Courses

Candidates for the degrees of Master of Arts and Doctor of Philosophy may pursue in the School of Architecture the more advanced studies of the course, which are accepted as major and minor subjects under the regulations prescribed by the University Council for these degrees. See page 183. The courses in Advanced Design, Engineering and Practice (Architecture 113-114, 117-118, and 161-162) as well as the graduate courses (213-214, 217-218, 227-228 and 261-262) are accepted as major and minor subjects for these degrees.

Holders of the Certificate in Architecture are admitted to the graduate course in Design with accompanying Research (A. 281-282, 227-228), but not to the graduate course in Construction (217-218) except upon passing examinations upon all the prerequisite mathematics and mechanics. They may not be candidates for the higher degrees.

Graduates of this School, and of other schools of architecture of like standing, who have had not less than one year of resident study in Columbia University, may pursue their studies in Advanced Design and Research in foreign schools of architecture, as candidates for the higher degrees in Columbia University, upon programs issued by this School.

## SCHOOL OF MUSIC

### General Statement

The Department of Music was established May 4, 1896, by means of the Robert Center Fund for Instruction in Music, an endowment presented to the University by the mother of the late Robert Center.

In 1906 a School of Music was established including both the department above mentioned and the department which had been developed independently in Teachers College.

The aim of the instruction is to treat music historically and æsthetically, as an element of liberal culture; to teach it scientifically and technically, with a view to training musicians who shall be competent to teach and to compose; to afford practical training of the ear by means of rhythmic, melodic, and harmonic dictation; and to provide practical training in choral and orchestral music. The several courses have reference to the needs of the undergraduate, to those of the university student wishing to specialize in music, and to those of students who are candidates neither for a degree nor for a Certificate of Proficiency. Performances of orchestral and choral music by the various organizations under the direction of the School of Music are provided, from time to time, for the members and friends of the University. There is, also, an annual concert of original compositions by students in the school. In addition, many public lectures, recitals, and concerts of various kinds are held.

### Equipment

A collection of music and of text-books is placed at the disposal of students in the School. It includes the complete works of Palestrina, Handel, Bach, Mozart, Beethoven, Schubert, Berlioz, Mendelssohn, Schumann, and Wagner, many orchestral and opera scores, the piano-forte classics, chamber music, and vocal music, besides theoretical works. The private library of the late Anton Seidl, recently presented to the University, has been placed in the rooms of the School of Music.

The School has a collection of orchestral instruments, for the use of students taking part in the University orchestra. An Aeolian Orchestrelle is employed for purposes of study and illustration. There is, also, a large pipe organ in the University chapel.

### Admission

For the general regulations governing all students under the Faculty of Fine Arts see page 171.

#### To Candidacy for the Degree of Bachelor of Music

The requirements for admission to the course leading to the degree of Bachelor of Music are: (1) The completion of courses of study in Columbia College or Barnard College, amounting to a credit of 62 points (substantially, two years' undergraduate study), or of their equivalent elsewhere; (2) the ability to play, on the pianoforte, the Two-Part Inventions of Bach.

#### To Candidacy for the Certificate of Proficiency

(See page 171)

### Program of Studies

The candidate for the degree of Bachelor of Music is required to pursue courses of study aggregating, at least, 75 points, as follows:

*a.* (prescribed) All the courses in composition and criticism offered by the School of Music; a year's course in each of the following: language, literature, history, and the fine arts other than Music.

*b.* (elective) Other courses offered in the University, for which the student has the necessary prerequisite, especially courses in musical performance, æsthetics, physics, or psychology.

The candidate is further required to produce a satisfactory original composition for orchestra or with orchestral accompaniment, and to submit an essay on a musical subject.

The candidate for the Certificate of Proficiency is required to fulfil the same requirements as are demanded in the course leading to the degree of Bachelor of Music (see above), except that only fifty points



of credit are required. The same requirement is made with regard to the original composition and the thesis as in the case of a candidate for the degree of Bachelor of Music.

### SCHOOL OF DESIGN

The School of Design cannot yet offer a sufficiently complete series of courses to warrant the granting of the degree of Bachelor of Design which in due time it is the intention of the University to award to properly qualified students. A Certificate in Design, however, is provided for. Candidates for this certificate and non-matriculated students who may wish to qualify for the degree, when it shall have been established, may receive credit for such courses as they take and may later count them toward the degree.

#### Equipment

The equipment includes, besides the resources of the Department of Architecture and of the Avery Library already referred to, those of the Department of Fine Arts of Teachers College, which occupies the fourth floor of the Macy Building. Three large studios, with north light, will each accommodate fifty students in drawing, design, or painting. The modelling studio, in the basement of the main building, will accommodate thirty students. The department has recently received from Dr. Denman W. Ross, of Cambridge, Massachusetts, a gift of over three hundred pieces of textile, specially chosen for design and color, and the College has acquired many choice examples from the Drake collection of copper and brass. Beside these, there is a large amount of material for study and reference—casts, still life objects, photographs and loan collections of textiles, books, and Japanese prints.

#### Admission

For the general regulations as to admission see page 171.

#### Program of Studies for the Certificate of Proficiency

This course is intended to give the student, first, a broad outlook upon the whole field of the fine arts, by an outline study of the theory, criticism, and history of the arts in general; secondly, a more detailed acquaintance with the history and principles of the particular branch of the fine arts in which the student elects to specialize; and thirdly a sufficient amount and variety of technical training to qualify him to pursue with success the particular branch of art which he has elected besides giving him some experience and understanding of the technical processes and methods of expression of other forms of art. In view of the great variety of purpose which may exist among students of equal earnestness and intelligence, the curriculum has been made



somewhat flexible; so that, within defined limits, the relative proportion of lecture work and research, on the one hand, and of studio practice on the other, may be considerably varied. It should be possible to complete the work for the certificate in about three years, of which the first two years would be in large measure devoted to the more general studies of the curriculum, and the last year to special study and discipline in the particular field of painting, of sculpture, or of decoration, as the student may elect. One hundred and fifteen points are required for the certificate. Of these, 47 are assigned to prescribed courses, from 10 to 25 to elective courses, and the balance to work in the studio.

These 115 points may be acquired in any order and combination which conforms to the necessary sequence of preliminary and advanced subjects, each student registering for any number of courses he may desire to take and for which he is qualified by previous training, and paying for each course the required fee up to a maximum total of \$150 annually.

### Program of Studies

The following courses aggregating 47 points are prescribed for all candidates for the Certificate. Courses whose numbers are prefixed with the initials N. A. are given by the National Academy of Design; T. C. indicates that the course is given in Teachers College.

Detailed information as to these courses will be found in the separately printed *Announcement of the Faculty of Fine Arts*. The attention of students is also directed to the other courses in subjects allied to the Fine Arts offered by the Departments of Philosophy, History, English, Latin, Greek, Germanic, Romance, Indo-Iranian and Semitic Languages. (See pages 52 *et seq.* of this volume.)

	POINTS
Principles and Problems of Æsthetics (Philosophy 142)....	3
General Course, Theory of Fine Arts (N. A. 1).....	1
Art Appreciation and History (T. C., Fine Arts 53-54)...	4
Principles of Design (T. C., Fine Arts 5-6).....	10
Clay Modelling, (T. C., Fine Arts 11-12).....	4
Painting and Illustration (T. C., Fine Arts 9-10).....	10
(Or its equivalent in the National Academy of Design)	
History of Art, Collateral Reading and Research (Fine Arts 1-2).....	4
History of Art, Advanced Reading and Research (Fine Arts 101-102).....	8
Pictorial Perspective (N. A. 5-6).....	2
Artistic Anatomy (N. A. 7-8).....	2

From 10 to 20 points additional are to be acquired in courses elected by the students, subject to the approval of the Dean and of the instructors giving the several courses. Courses counting for not over 6 of these points may be selected in literature, language, philosophy, science, or history, under the various faculties of the University, subject to the regulations as to prerequisites for each course. The remaining points (or the entire number if preferred) in elective subjects are to be taken from the following list. *Starred* courses are prescribed for students taking the course in Decoration, and are given in the School of Architecture.

### Elective Courses

	POINTS
*Elements of Architecture (1) .....	2
Ancient Architectural History (21-22) .....	6
Mediæval Architectural History (23-24) .....	4
Modern Architectural History (25-26) .....	4
*Ancient Ornament (31-32) .....	2
Mediæval Ornament (33-34) .....	2
*Modern Ornament (35-36) .....	2
Theory of Planning and Composition (51-52) .....	2
*Theory of Decorative Arts (53) .....	1
*Theory of Color (54) .....	1
*Graphics (5) (Projections, Shades and Shadows) .....	3
*Architectural Perspective (6) .....	3
Archæology in French (41-42) .....	4
Design (T. C., F. A. 17-18) .....	6
Advanced Design and House Decoration (T. C., F. A. 19-20) .....	6
General Musical Course (Music 1-2) .....	2
Analysis of Musical Sound (Music 5-6) .....	2
Musical Art (T. C. Music 7-8) .....	2
Chinese Civilization (Chinese 11) .....	2
Greek Vases and Painting (Greek 151-152) .....	4
Greek Sculpture (Greek 153-154) .....	4
Elements of Greek Archæology (Greek 149-150) .....	4
Introduction to European Literature (Comparative Literature 1-2) .....	6
The Renaissance in Europe (Comparative Literature 101-102) .....	4
The Romantic movement in Europe (Comparative Literature 105-106) .....	4
Archæology (in French) (41-42) .....	4

### Studio Work

The candidate for the Certificate is further required to do work in the studio by which he may obtain a credit of 43 to 58 points. This requirement is based upon the supposition that the student can meet it by an average, for each point, of one hour of studio work per week through the academic year. This work is additional to any studio work accompanying prescribed courses. The total number of points to be obtained in studio work depends upon the amount of elective work taken, the aggregate requirement for both classes of work being in all cases 68 points, which added to the 47 points in prescribed subjects make the total of 115 points required for the Certificate.

The required studio work may be pursued in any one or more of the three studios connected with the University—that of the National Academy of Design at the corner of Amsterdam Avenue and 109th Street, that of Teachers College, and that of the School of Architecture—according as one may find in one or another the particular training he most requires.

	POINTS
Elementary Draftsmanship.....	4
(Proficiency in the elementary technique of the pencil, charcoal, and brush, in black-and-white and color.)	
Elementary Oil Painting or Modelling.....	2- 4
(Drawing and painting from still-life are included under the above two headings.)	
Drawing from the antique.....	6- 8
Drawing from nature and from life.....	8-10
(Including landscape, animals, and figures.)	
Advanced painting from landscape and from life	} 10-14
Advanced modelling from life .....	
Advanced decorative work from nature .....	
Advanced composition (additional to prescribed course on page 312).....	5- 8
(Separately in Painting, Sculpture, and Decoration.)	
Original Design, Advanced.....	10-12
(Original work on specified programs, in Painting, Sculpture and Decoration, with final thesis-exercise accompanied by dissertation.)	
	<hr/> 45-60

Points not to exceed 4 in the aggregate may be granted for work done in summer schools of Art, or during the summer upon a schedule previously approved by Professor Dielman.

In general, except in the School of Architecture, the lecture courses and research work are assigned to the afternoon hours, the morning hours being left free for studio work. The collateral reading and research, consisting of studies upon assigned topics in the history of art, with accompanying sketches and written reports, may be pursued in the Avery Architectural Library, the departmental libraries of the Department of Fine Arts of Teachers College and of the School of Architecture, and in the library and collections of the Metropolitan Museum of Art.

## REGISTER OF STUDENTS

### School of Architecture

#### CANDIDATES FOR DEGREE

ACKER, JESSE.....	New York City
ALMOND, JOHN PARKS, B.S. Emory 1907.....	Lithonia, Ga.
BOOKWALTER, JOSEPH SAMUEL.....	Minneapolis, Minn.
BRAINERD, HARRY BEARDSLEE, A.B. 1909.....	New York City
BRANNER, JOHN K.....	Stanford University, Cal.
BRENNER, SAMUEL.....	New York City
BROWN, RUDOLPH STANLEY, Ph.B. Yale 1909.....	New York City
CLARK, JOSEPH HERENDEN.....	New York City
CUMMINGS, LOUIS CURTISS, A.B. Princeton 1908, A.M. 1909.....	New York City
FOGARTY, JAMES, B.S. Charleston 1908.....	Charleston, S. C.
FOSTER, WILLIAM E. 2d.....	New Haven, Conn.
GOLDMAN, HAROLD.....	New York City
GRIFFITH, EDWIN ST. JOHN.....	Waterloo, Va.
HOLLOPETER, SAMUEL LYNCH, A.B. DePauw 1909.....	Wabash, Ind.
ISELIN, WILLIAM O. D., B.S. Harvard 1905.....	New York City
JAMELKA, ROBERT.....	New York City
KOECHL, OTTO RUDOLPH, LL.B. 1907, A.B. Harvard 1904.....	New York City
LAMBERT, GERARD B., L.B. Princeton 1908.....	St. Louis, Mo.
LIPPMAN, HERBERT MARKS.....	New York City
LOBECK, ARMIN KOHL.....	Haworth, N. J.
MARESI, POMPRO M., A.B. Princeton 1909.....	New York City
MORSE, JARED, Ph.B. Yale 1908.....	New York City
MURIEL, MANUEL.....	San Luis Potosi, Mexico
MURPHY, JOHN FREDERIC.....	Des Moines, Iowa
MUSE, ELLIOTT HUNTER.....	Atlanta, Ga.
NANHEIM, MELVILLE.....	Far Rockaway, L. I.
REH, ISADORE, B.S. C.C.N.Y. 1909.....	New York City
SARLES, LYNN REDMON, A.B. North Dakota 1908.....	Hillsboro, N. D.
SCHULZ, PAUL, B.S. C. C. N. Y. 1909.....	New York City
SMALLWOOD, ROBERT F., B.S. Davidson 1902.....	New Berne, N. C.
SMITH, FARIO BARTON, A.B. DePauw 1908.....	Franklin, Ind.
SMITH, HOWARD DWIGHT.....	Dayton, Ohio
SMYTHE, RICHARD HAVILAND, A.B. 1909.....	New York City
TAYLOR, EDWARD CRAY.....	New York City
VAN DRESER, WALTER.....	New York City
WEIHER, HENRY ALBERT.....	New York City
WOOLSEY, HEATHCOTE M., A.B. Yale 1907.....	New York City
ZETSCHKE, ROBERT GUNTHER.....	New York City
Total Candidates for Degrees.....	38

#### CANDIDATES FOR CERTIFICATE

ADLER, RUDOLF SARTORIUS.....	Atlanta, Ga.
AGNEW, WILLIAM CHALMERS, JR.....	Duluth, Minn.
BARBER, HERBERT COLE.....	New York City



BERLENBACH, CHARLES FRANCIS.....	New York City
BERRY, FRANK ALOISYUS.....	New York City
BLASE, HENRY WILLIAM.....	New York City
BONESTETT, CHESLEY KNIGHT, JR.....	New York City
CASALE, JAMES EMANUEL.....	New York City
CHILD, HENRY TEAS.....	New York City
CLARK, DANA LOUIS.....	Cleveland, Ohio
CLINCH, HOWARD T.....	New York City
CLOSE, BERNARD WELLS.....	New York City
DAHLER, JERAULD JEROME.....	Helena, Mont.
DORFMANN, DAVID WALDEMAR.....	New York City
FANNING, EDWARD FRANCIS.....	New York City
FARRELLY, S. LAWRENCE.....	New York City
FLANAGAN, ALBERT E.....	New York City
FOARD, OSBORNE GILES.....	Wilmington, N. C.
FONTS, ARTHUR, JR.....	Havana, Cuba
FREES, HARRY JOHN.....	New York City
GRANGES, DES, DONALD RICHARD.....	Chicago, Ill.
GRANGES, HAROLD STORY.....	New York City
GROSS, HAROLD.....	New York City
GUGLER, ERICH.....	Milwaukee, Wis.
GUNTHER, GEORGE PHILIP.....	New York City
HARDING, J. PHELPS.....	Saranac Lake, N. Y.
HARTMAN, HARRIS VINCENT.....	New York City
HARTWIG, FREDERICK JOHN.....	Hoboken, N. J.
HESSE, WALTER.....	New York City
HICKENLOOPER, GEORGE.....	St. Louis, Mo.
HIRSH, C. MORTIMER.....	New York City
HOAG, LEON HUESTED.....	New York City
HOWITT, LOUIS.....	White Plains, N. Y.
HUESMANN, LOUIS BERNARD.....	Hoboken, N. J.
HYMAN, SAMUEL LIGHTNER.....	San Francisco, Cal.
IDE, JOHN JAY.....	New York City
INGLE, JOHN W., JR.....	New York City
JANSSON, CARL ALEXANDER.....	New York City
KNAPPE, ADOLPH HERMAN.....	Milwaukee, Wis.
LAGERBERG, DE, LARS GASTON.....	Passaic, N. J.
LANG, JOHN T.....	New York City
LASHKOWITZ, BENJAMIN DAVID.....	New York City
LATEUSER, FRANK J.....	Omaha, Neb.
LATEUSER, JOHN, JR.....	Omaha, Neb.
LEWIN, LOUIS.....	New York City
LINDSLEY, GIRARD.....	Orange, N. J.
LOUD, ARCHIE CHESTER.....	St. Louis, Mo.
MARTIN, JOHN TIMOTHY.....	New York City
MERICK, HOMER IRVING.....	Albany, N. Y.
MORDAUNT, EDWARD JAMES.....	New York City
O'KELLY, JOSEPH JOHN.....	Mexico City, Mexico
PATERSON, STUART.....	New York City
PHILLIPS, EDWARD SOMERVILLE JAFFRAY.....	New York City
PISTNER, BERNARD.....	New York City
POLHEMUS, HENRY MARTIN.....	Englewood, N. J.
RUDD, JOHN SKEER.....	New York City
SCHMIDT, EDWARD G.....	New York City
SCHNEIDER, WALTER SCHLESINGER.....	Far Rockaway, L. I.
SCHWANENPLUEGEL, HUGO VON.....	New York City

SEEBOLD, P. J.	New Rochelle, N. Y.
SEIDENBERG, RODERICK	New York City
SHENFIELD, LAWRENCE	New York City
SIMMONS, WILLIAMSON	Norfolk, Va.
SMITH, STEPHEN ERNEST	White Plains, N. Y.
STAUB, PETER MICHAEL	Mamaroneck, N. Y.
SUGARMAN, MORRIS HENRY	New York City
SWARTWOUT, RUSSELL GEORGE	Scarsdale, N. Y.
THOMPSON, WILLIAM STUART	New York City
WALKER, RUSSELL Y.	New York City
WEAVER, JOHN ALLEN	Weehawken, N. J.
WEBER, RUDOLF H.	New York City
WORTHINGTON, ADDISON FOARD	Baltimore, Md.

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## NON-MATRICULATED STUDENTS

BERGAMINI, JOHN VAN WIE	New York City
BRIGHAM, NORMAN R.	Toledo, Ohio
DAVIES, HENRY KELLEY, Ph.B. Kenyon College 1908	Gambier, Ohio
DEROSA, EUGENE	New York City
GANDER, JOS. J.	Albany, N. Y.
GOODWIN, PHILIP LIPPINCOTT, A.B. Yale College 1907	New York City
GRZYBOWSKI, ERICH	New York City
HALL, BERNICE KINGSTON	Puyallup, Wash.
KEYS, HAROLD HARTE	Alameda, Cal.
KING, FREDERIC RHINELANDER	New York City
LANG, FRANK LLOYD	Kansas City, Mo.
MAURER, HERMAN B.	Hempstead, N. Y.
NIENBURG, FREDERICK JOHN, JR., A.B. Harvard 1907	New York City
SCHEIBEL, MORRIS W.	New York City
SEDGWICK, HENRY RENWICK	New York City
THOMAS, RAY GOODLOE	Fort Worth, Texas
TRASK, FRANK E.	Kansas City, Mo.
TWAIN, FRANK TRUMAN	Berkeley, Cal.
VASSAR, HAROLD WORTH	Ballston Spa, N. Y.
WHITE, GODDARD MAY	Hyde Park, Mass.

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## CANDIDATES FOR THE HIGHER DEGREES

BOTTOMLEY, WILLIAM LAWRENCE, B.S. 1906	New York City
KNAWLES, ELOISE, Ph.B. Montana 1898	Missoula, Mont.
STORK, EDWARD J., B.S. 1907	Jersey City, N.J.
WAY, HAROLD DAVID, Ph.B. Grinnell 1909	Grinnell, Ia.

[4]

## School of Music

## GRADUATE STUDENTS

BELLINGER, FRANZ, A.M. 1908	New York City
NORDEN, N. LINDSAY, B.S. 1909	New York City

[2]

## CANDIDATES FOR DEGREE

BALSAM, JAMES, A.B. C. C. N. Y. 1909	New York City
FUCHS, HENRY H., A.B. C. C. N. Y. 1906	New York City
KUGEL, ADOLPH, A.B. Buda Pesth 1905	New York City
POWELL, ALMA WEBSTER	New York City

[4]

## NON-MATRICULATED STUDENTS

BANGS, E. ORLO .....	Cedar Falls, Ia.
BATEMAN, FREDERICK H. ....	New York City
BAUMERT, CHRISTINE .....	New York City
BEDELL, ANNIE L. ....	New York City
BUCHANAN, MARY B. ....	El Paso, Texas
CHATZINOFF, SAMUEL .....	New York City
DREISBACH, ALFRED GERRY .....	Weehawken, N. J.
JAQUES, AGNES M. ....	Socorro, N. M.
ROBERTS, GEORGE H. ....	New York City
ROBINSON, MARIA M. ....	New York City
SCHUTZ, ADOLF .....	New York City
TYLER, ABRAM ROY .....	Beloit, Wis.
VOGEL, HARRY .....	New York City
WARDELL, WINFIELD S., JR., A.B. 1909 .....	Orange, N. J.
WHITTAKER, HARRY HOWE .....	New York City
WUPPERMANN, CARLOS D. S. ....	Briarcliff Manor, N. Y.
YORK, LUCY D. ....	New York City

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## SUMMARY—FINE ARTS

## ARCHITECTURE

Students candidates for degrees .....	38
Students candidates for certificates .....	72
Non-matriculated students .....	20
Candidates for the higher degrees .....	4
Students from Columbia College .....	2
Total, Architecture .....	136
Music .....	23
Grand total .....	159

## BARNARD COLLEGE

### TRUSTEES

SILAS B. BROWNELL, LL.D., *Chairman*

Mrs. A. A. ANDERSON, *Vice-Chairman*

FREDERICK S. WAIT, *Clerk*

GEORGE A. PLIMPTON, *Treasurer*

SILAS B. BROWNELL, LL.D.

Mrs. JOSEPH H. CHOATE

Mrs. ALFRED MEYER

GEORGE A. PLIMPTON

Mrs. JAMES TALCOTT

Mrs. HENRY FAIRFIELD OSBORN

Mrs. A. A. ANDERSON

FREDERICK S. WAIT

EDWARD W. SHELDON

REV. WILLIAM M. GROSVENOR, D.D.

SETH LOW, LL.D.

FREDERIC B. JENNINGS

Mrs. HENRY N. MUNN,

President BUTLER

ALBERT G. MILBANK

Mrs. FRANCIS P. KINNICUTT

Miss CLARA B. SPENCE

CHARLES STEWART SMITH

HOWARD TOWNSEND

JOHN G. MILBURN

Mrs. GINO SPERANZA

Mrs. MALCOLM D. WHITMAN

Miss MARY STUART PULLMAN

GEORGE L. RIVES

### Standing Committees

1909

EXECUTIVE COMMITTEE: Dr. BROWNELL (*Chairman*), Mrs. ANDERSON (*Vice-Chairman*), Mr. WAIT (*Clerk*), Miss SPENCE, Mr. MILBURN, Mrs. SPERANZA, Dr. GROSVENOR, Mrs. OSBORN, Mr. SHELDON, the President and the Treasurer (ex-officio).

ON FINANCE: Mr. MILBURN (*Chairman*), Mr. TOWNSEND, Mr. PLIMPTON, and THE CHAIRMAN OF THE BOARD OF TRUSTEES (ex-officio).

ON BUILDINGS AND GROUNDS: Mrs. SPERANZA (*Chairman*), Miss SPENCE, Mrs. ANDERSON, THE PRESIDENT, and THE CHAIRMAN OF THE BOARD OF TRUSTEES (ex-officio).

ON EDUCATION: Dr. GROSVENOR (*Chairman*), Mrs. OSBORN, Miss PULLMAN, THE PRESIDENT and THE CHAIRMAN OF THE BOARD OF TRUSTEES (ex-officio).

## OFFICERS OF INSTRUCTION

## Officers of the Faculty

Professor BREWSTER.....	<i>Acting Dean and ex-officio Member of the University Council</i>
<sup>1</sup> Professor CRAMPTON (Term expires 1911).....	<i>Elected Delegate to the University Council</i>
Professor ROBINSON (Term expires 1912).....	<i>Elected Delegate to the University Council</i>
Professor SHOTWELL.....	<i>Secretary</i>

## The Faculty

President	BUTLER	Professor	KNAPP
Professor	SELIGMAN	"	<sup>1</sup> MOORE
"	<sup>1</sup> OSGOOD	"	RICHARDS
"	PERRY	"	<sup>1</sup> MALTBY
"	GIDDINGS	"	LOISEAUX
"	CLARK	"	SHOTWELL
"	WHEELER	"	<sup>1</sup> BOTSFORD
"	COLE	"	KASNER
"	ROBINSON	"	MONTAGUE
"	THOMAS	"	HUBBARD
"	SPERANZA	"	M. K. SIMKHOVITCH
"	TRENT	"	M. F. WEEKS
"	LORD	"	REIMER
"	MCCREA	"	JONES
"	FARRAND	"	MUSSEY
"	<sup>2</sup> CRAMPTON	"	R. WEEKS
"	BREWSTER		DR. BRAUN

## Standing Committees of the Faculty

COMMITTEE ON INSTRUCTION: Professors BREWSTER, *Chairman*, ROBINSON, KNAPP, RICHARDS, MONTAGUE, REIMER, and Dr. GILDER-SLEEVE

COMMITTEE ON ADMISSIONS: Professors COLE, *Chairman*, M. F. WEEKS, and Dr. BRAUN

COMMITTEE ON SCHOLARSHIPS: The ACTING DEAN, *Chairman*, Professor HUBBARD and Dr. HIRST

COMMITTEE ON HONORS: Professors TRENT, *Chairman*, MALTBY, and Dr. BRAUN

COMMITTEE ON STUDENT ORGANIZATIONS: Professors REIMER, *Chairman*, M. F. WEEKS, and MUSSEY

<sup>1</sup> Absent on leave 1909-10.

<sup>2</sup> Absent on leave first half-year.



## Other Officers of Instruction

GERTRUDE M. HIRST, Ph.D.	GRACE LANGFORD, S.B.
TRACY ELLIOT HAZEN, Ph.D.	HARRY L. HOLLINGSWORTH, Ph.D.
RAYMOND C. OSBURN, Ph.D.	LOUISE HOYT GREGORY, Ph.D.
HENRI F. MULLER, B. ès L.	ALGERNON DE V. TASSIN, A.M.
T. LESLIE SHEAR, Ph.D.‡	VIRGINIA C. GILDERSLEEVE, Ph.D.
JOHN L. GERIG, Ph.D.	HERBERT A. CLARK, B.S., A.M.
ELEANOR KELLER, A.B.	CARLOTTA J. MAURY, Ph.D.
IDA H. OGILVIE, Ph.D.	ALICE DOROTHY BREWSTER, A.M.
HAROLD C. BROWN, Ph.D.	Mrs. JULIANA S. HASKELL, Ph.D.
PAULINE HAMILTON DEDERER, A.M.	MARGARET A. KINGSLEY, A.B.
ALEXANDER OTTO BECHERT, A.M.	CHARLES JONES OGDEN, A.B.
MARION E. LATHAM, A.M.	WILLIAM HALLER, A.B.
ALLEN W. PORTERFIELD, A.M.	BURTON WARREN KENDALL, B.S.
EDGAR H. STURTEVANT, Ph.D.	JULIET STUART POINTS, A.B.
WILLIAM C. KRATHWOHL, A.B.	EDNA REBECCA SCALES, A.B.
MAUDE ALINE HUTTMANN, A.M.	CECILIA MINNA SILLCOX, A.B.
	HUGH H. CALDWELL, A.B.
	ELIZABETH C. COOK, A.M.

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

## Officers of Administration

(See page 5)

## GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. Therefore Barnard College was organized in 1889 to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at the University under the Faculties of Philosophy, Political Science, and Pure Science, the laboratory work in science being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset, and it became necessary to recognize formally the status which had gradually come into existence. Accordingly, an agreement was entered into in January, 1900, by which Barnard was included in the University system. Barnard is now an independent college for women with a corporation and a faculty of its own vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University and also of the relations between Barnard College and Teachers College is given in the *résumé* of the agreement above mentioned to be found in the current edition of the *Announcement of Barnard College*. This may be obtained without charge upon application to the Secretary of Barnard College.

### ADMISSION

(See page 171)

#### Entrance Conditions and Probation

A student may be admitted to the freshman class on probation when the total number of units received by her in the entrance examinations amount to eleven (11) out of the total required fifteen (15) units; but general deficiency in any one of the prescribed subjects will be regarded as disqualifying a candidate for admission.

A student admitted conditionally or by certificate will be held under probation during the first half-year of residence. For a detailed statement regarding the conditions of probation, see "On Probation in Columbia College," page 191.

#### To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 191.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student proves that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for a degree after October 15 in any year.

### As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Registrar.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter. Candidates desiring to pursue merely elementary courses, as in languages, etc., will not be admitted as non-matriculated special students.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fifteen (15) units of the entrance requirements. (See p. 171.) They may, therefore, in event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Information regarding the regulations governing the election of studies, amount of work, attendance, examinations, etc., of special students is contained in the *Announcement of Barnard College*, which can be obtained without charge from the Secretary of Barnard College.

### MATRICULATION, REGISTRATION, FEES

Detailed information regarding matriculation, registration, and fees will be found in the current *Announcement of Barnard College*, which can be obtained without charge on application to the Secretary of Barnard College.

### DORMITORY

(See page 49)

### THE PROGRAM OF STUDIES

Upon completion of a curriculum arranged on one of the plans to be described below, the student is recommended by the Faculty of Barnard College for the degree of Bachelor of Arts or Bachelor of Science.

# I THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF ARTS

Unless the equivalents are offered for admission, the following courses are prescribed:

English A and B.....	12 points
French A and German A.....	12 "
History A.....	6 "
Latin A or B.....	6 "
Mathematics A.....	6 "
Philosophy A.....	6 "
Physical Education A and B.....	4 "
Economics A.....	3 "
Chemistry 5-6 or Physics 11-12.....	6 "
Botany, Chemistry, Geology, Physics, Psychology (Experimental), or Zoölogy: two half-year courses in addition to Physics 11-12 or Chemis- try 5-6 or any course in science that may have been offered for admission.....	6 "
Major subject.....	18 "
Free electives to complete the total of.....	124 "

# II THE PROGRAM OF STUDIES FOR THE DEGREE OF BACHELOR OF SCIENCE

Unless the equivalents are offered for admission, the following courses are prescribed:

English A and B.....	12 points
French A and German A.....	12 "
History A.....	6 "
Mathematics A.....	6 "
Philosophy A.....	6 "
Physical Education A and B.....	4 "
Grouped work in Astronomy, Botany, Chemistry, Geography, Geology, Mineralogy, Physics, Ex- perimental Psychology, and Zoölogy, amounting to a total of at least.....	70 "
(Of these 70 points at least 28 points shall be taken in a major subject, at least 12 points in an allied minor subject, and at least 12 points in a diverse minor.)	

# III GENERAL TWO YEARS' COURSE, NOT LEADING TO A DEGREE

This general course is specially arranged to furnish the collegiate foundation for professional work at Teachers College. It comprises



64 points of work and includes the following prescribed courses unless their equivalents have been offered for admission:

English A or a more advanced course in rhetoric.....	6	points
English Literature: two half-year courses.....	4 or 6	"
French, German, Italian, Spanish: two half-year courses in each of two modern languages, preferably French and German.....	12	"
History A or a more advanced course in history.....	6	"
Physical Education A and B.....	4	"
Botany, Chemistry, Geology, Physics, or Zoölogy: two half-year courses in each of two natural sciences that have not been offered for entrance, at least.....	12	"
Elective courses to complete the total of.....	64	"

In regard to the choice of elective courses a student should seek the advice of the professor in charge of her prospective major subject in Teachers College.

After satisfactory completion of 64 points of work in Barnard College, including the courses listed above, a student may transfer, without examination, to the professional curriculum of Teachers College and become a candidate for a Teachers College diploma and the degree of Bachelor of Science in Education.

In consequence of the agreement on the part of Barnard College to provide the collegiate course required by Teachers College for admission to its professional curriculum, Teachers College has withdrawn its collegiate curriculum.

#### IV OPTIONS IN THE PROFESSIONAL SCHOOLS FOR CANDIDATES FOR A BARNARD COLLEGE DEGREE

A student may plan her work in such a way as to earn a professional diploma from Teachers College at the same time as her academic degree from Barnard College. With the permission of the Dean of Barnard College and the Dean of Teachers College she may transfer to Teachers College at the end of her junior year under the following provisions. A candidate for the degree of Bachelor of Arts must have completed 94 points of work in Barnard College, comprising all of the required courses, including a major subject of at least 18 points and Education A. A candidate for the degree of Bachelor of Science must have completed 94 points of work at Barnard College, comprising all of the specifically prescribed courses and of the grouped work a major subject of at least 28 points with an allied minor subject of 12 points and Education A.

On receipt of a statement from the Faculty of Teachers College that a student so transferred has satisfactorily completed the requirements for the bachelor's diploma in Teachers College, the student will be recommended by the Faculty of Barnard College for the degree of



Bachelor of Arts or Bachelor of Science, provided she shall have fulfilled the requirements for either of those degrees as laid down in the *Announcement of Barnard College*.

For full details regarding the major subjects in teaching, their requirements and prerequisites in collegiate work, and the most advantageous division of work in education, the student is referred to the current *Announcement of Teachers College*.

### Scholarships, Prizes, and Honors

(See page 438)

## REGISTER OF STUDENTS

SENIORS—CLASS OF 1910

CANDIDATES FOR THE A.B. DEGREE

ANDERSON, ALTA.....	Long Branch, N. J.
BAILEY, MARY WITTER.....	New York City
BARROWS, TESSIE.....	New York City
BONFILS, GLADYS ALDEN.....	New York City
BURGER, FRANCES.....	New York City
CHILDS, RUTH.....	New York City
CROSBY, CLARITA FRANCES.....	New York City
CROSSMAN, HELEN LOUISE.....	New York City
DEAN, HETTY ANNA.....	Little Silver, N. J.
*EDDY, ELISE SAVOYE.....	Bayonne, N. J.
EGGLESTON, MARGERY KATHARINE.....	New York City
EGLESTON, LILIAN HILLYER.....	Elizabeth, N. J.
FANCHER, EDNA MARGARET.....	New York City
FIREBAUGH, BERTHA HARRIET.....	New York City
FLEMING, CARRIE ORR.....	New York City
FLINT, MARIE LOUISE.....	New York City
FOX, HARRIET RUTH.....	New York City
FRANKE, GRETCHEN MALVINA.....	Bound Brook, N. J.
GIBSON, MARION LATHROP.....	New York City
*GREENE, FLORENCE ETHEL.....	Jersey City, N. J.
HAMBURGER, NANNETTE FRANCES.....	New York City
HELLER, EDNA.....	New York City
HENDERSON GRACE.....	New York City
*HENDERSON, NATHALIE.....	New York City
HERRMANN, MAY THERÈSE.....	New York City
*HILL, ANTOINETTE DYETT.....	Netherwood, N. J.
HOLZMAN, BESSIE.....	New York City
HOPEWELL, FLORENCE ISABEL.....	New York City
HOPEWELL, STELLA LOUISE.....	New York City
HUNTER, GERTRUDE LAURA.....	Plainfield, N. J.
JACKSON, VIOLETTA.....	New York City
JAQUES, MARY VOORHEES.....	New York City
KIRCHWEY, DOROTHY BROWNING.....	New York City
LAWRENCE, ETHEL ELIZABETH.....	New York City
LEVY, ROSE ADELAIDE.....	New York City
LOEHRSEN, ADELAIDE.....	New York City
LONG, DORIS.....	New York City
MCCANN, MABEL DOROTHY.....	New York City
MACMURRAY, CHRISTELLA FRANCES.....	South Nyack, N. Y.
MOLLENHAUER, VIRGINIA.....	New York City
*MONTESER, MARION JULIA.....	Yonkers, N. Y.
MOSES, ROSE.....	New York City
NAMMACK, MARY.....	New York City
NITCHIE, ELIZABETH.....	New York City

NOTTINGHAM, JESSIE RAY.....	Portland, Ore.
O'DONNELL, AGNES TERESA.....	New York City
O'DONNELL, MARGARET MARY ALACOQUE.....	New York City
PETTIT, LELA MAUDE.....	Stuttgart, Ark.
PLATT, ROSETTA F.....	New York City
PLAUT, ELSIE.....	New York City
RAWCLIFFE, ELIZABETH.....	New York City
READ, FLORENCE WALLACE.....	New York City
*REILLY, DOROTHY CECILIA.....	New York City
RENTON, MARGARET.....	New York City
RUSSELL, CORINNE ETHEL.....	New York City
SAVITZ, HELEN ELIZABETH.....	Westfield, N. J.
SCHLESINGER, MILDRED DESHON.....	Yonkers, N. Y.
SHAW, ETHEL LORD.....	New York City
SILVERMAN, SULAMITH.....	New York City
SPALDING, LEONÉ FLORENCE.....	New Rochelle, N. Y.
THOMPSON, OLIVE.....	New York City
THOMSON, AGNES.....	New York City
THORNE, NATHALIE.....	New York City
WAGNER, JULIA ANNA.....	New York City
*WAYT, HAZEL IRENE.....	New York City
WEINSTEIN, MARION.....	Waterbury, Conn.
WESTON, ETHEL GENEVIEVE.....	New York City
WIESNER, ALMA.....	Mamaroneck, N. Y.

## CANDIDATE FOR THE B.S. DEGREE

SCHWARTZ, JOHANNA JULIA.....	Saratoga Springs, N. Y.
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Seniors—Class of 1910.....69

\*Candidates for a Teachers College Diploma in Education.

## JUNIORS—CLASS OF 1911

## CANDIDATES FOR THE A.B. DEGREE

ALLEN, EDITH LOUISE.....	New York City
AMY, HELEN LOVENE.....	Minneapolis Minn.
ANDERSON, LILLIAN SOPHIE.....	New York City
AUERBACH, CLARICE.....	New York City
BENNETT, ALICE LAURA.....	Georgetown, Conn.
BISHOP, FANNY AURILL.....	New York City
BISHOP, M. HARRIET.....	New Haven, Conn.
BLOCH, STELLA.....	New York City
BOHAN, LENA.....	Plainfield, N. J.
BOKSHITZKY, IDA.....	New York City
BOSCH, JOSEPHINE ADELE.....	New York City
BROWN, HELEN.....	Boonton, N. J.
BROWN, JUANITA.....	New York City
BRUNING, EMILIE ELIZABETH MARGARET.....	New York City
BURKE, AGNES MADELINE.....	Morristown, N. J.
BURNE, ELEANOR.....	New York City
BURNS, EDITH CROWELL.....	New York City
BURNS, RUTH AUGUSTA.....	Port Chester, N. Y.
BURR, EMILY THORP.....	Greenwich, Conn.
CALLAN, ANNA MAY.....	New York City
CARROLL, RUTH.....	Warwick, N. Y.
CASSEL, THERESE.....	New York City
CLEMENT, AMELIA AURÉLIE.....	New York City

COOMBS, HELEN COPELAND.....	Yonkers, N. Y.
CRANDELL, HELEN HOPKINS.....	New York City
CURRIER, HARRIET JOY.....	Brewer, Me.
DENIKE, AGNES MAY.....	New York City
DEWEY, EVELYN.....	New York City
DOWNES, MILDRED.....	Jersey City, N. J.
DRUDING, MARGUERITE DOROTHY CECILIA.....	New York City
DUNCAN, ADELE.....	New York City
EMERY, MAUDE EMMA.....	Newark, N. J.
FRAME, RACHEL MOORE.....	Mount Vernon, N. Y.
FUESLEIN, VERA AMANDA.....	New York City
GAY, KATHARINE.....	New York City
GERSTEIN, ROSE.....	New York City
GLEASON, ELSIE.....	New York City
GRAHAM, ELLEN LAVINE.....	Greenville, S. C.
GRAY, ELIZABETH NAOMI.....	Englewood, N. J.
GREENAWALT, LOUISE DE FOREST.....	Red Bank, N. J.
GREIFF, LOTTIE JUNE.....	New York City
HAITHWAITE, CHARLOTTE.....	New York City
HAKES, RUTH JOHNSTON.....	Ilion, N. Y.
HART, MARGARET TOWER.....	New York City
HEIDEN, IRMA FANNY.....	New York City
HERRMANN, ANNA LOUISE.....	New York City
HESS, AUGUSTINA.....	New York City
HILL, ALICE TAYLOR.....	New York City
HIRSH, MADELEINE.....	New York City
HOLZWASSER, FLORRIE.....	New York City
HUNTINGTON, ANNE ELDERKIN.....	Hartsdale, N. Y.
IHLENG, OLGA KATHRYN.....	New York City
IVIMEY, RHODA MURIEL.....	New York City
JOHNSON, LOUIE ESTELLE.....	New York City
KUGLER, ANNA AUGUSTA.....	New York City
LOVELL, GRACE GREENE.....	New York City
MCGRATH, JOSEPHINE.....	Livingston Manor, N. Y.
McKEEVER, EDNA JOSEPHINE.....	New York City
MAHON, DOROTHEA HELEN.....	New York City
MAISON, ELLEN NAAR.....	Rutherford, N. J.
MARTIN, ANNA LEILA.....	Charlotte, N. Y.
MARTIN, ELEANOR MARION.....	Perth Amboy, N. J.
MASCHMEDT, MARIE RUTH.....	New York City
MAYER, THERESA.....	New York City
MEHLER, ELSA SAUTER.....	New York City
MEIER, GRACE EDITH.....	New York City
MORDECAI, EVA CECILE.....	New York City
MOSS, RUTH LILLIAN.....	New York City
OBERNDORFER, MARIAN.....	New York City
OCKERS, LOUISE ELIZABETH.....	Oakdale, N. Y.
O'GORMAN, ALICE MARGARET.....	New York City
PALMER, EDNA ADELINE.....	New York City
POLHEMUS, MARY BARTOW.....	Englewood, N. J.
PORTER, HELEN MAUD.....	Yonkers, N. Y.
PRATT, MARION.....	New York City
PROCHAZKA, OTTILIE.....	New York City
RANDOLPH, FRANCES MAUDE FITZ.....	New York City
REEDER, GRACE AMELIA.....	Hastings-on-Hudson, N. Y.
REID, MABEL JEAN.....	New York City

REYNAR, MARGUERITE WOOTON.....	Boonton, N. J.
RIORDON, ELIZABETH.....	New York City
RITCH, BEATRICE ALMA.....	Greenwich, Conn.
RIVKIN, MAMIE ERNA.....	New York City
ROSE, FLORENCE.....	Hackensack, N. J.
RUNYON, HELEN DE MOTT.....	New York City
SALMOWITZ, ROSE L.....	New York City
SANBORN, MILDRED LOUISE.....	New York City
SANDFORD, GEORGINA.....	Dansville, N. Y.
SAUL, GERTRUDE ELIZABETH.....	New York City
SCHLESINGER, ETHEL.....	New York City
SCHOEDLER, LILLIAN HELEN.....	New York City
SEELY, CAROLINE EUSTIS.....	New York City
SEVESO, ANGELINA.....	New York City
SHAW, AGNES GARDNER.....	Rockland Lake, N. Y.
SHAW, GRACE MARGARET.....	White Plains, N. Y.
SHAW, MARY BRAMAN.....	New York City
SHWITZER, MYRTLE.....	New York City
SICKELS, KATHERINE HAMILTON.....	New York City
SIDELL, RUTH HILLARD.....	Westfield, N. J.
SILLCOX, LOUISE MARIA.....	New York City
STAGEN, RUTH MADELINE.....	New York City
STAPFF, HETTA.....	New York City
STEINECKE, JEANNETTE AMELIA.....	New York City
STEWART, NATALIE.....	New York City
STIMSON, MAUDE BEULAH.....	New York City
STRAUS, STELLA.....	New York City
STRYKER, LAURA MACELWAIN.....	White Plains, N. Y.
TALLMAN, GLADYS GRIFFITH.....	New York City
THOMSON, ELIZABETH.....	New York City
TIEMANN, KATE HUNTINGTON.....	East Orange, N. J.
TRIESCHMANN, HELENA FREDERICA.....	Wellman, Ia.
VAN BUSKIRK, ANNIE SCHMELZEL.....	New York City
VERLAGE, CHARLOTTE CECILE MARIE.....	New York City
WAITE, ETTA ADELAIDE.....	Haworth, N. J.
WETTINGFELD, ELIZABETH WILHELMINE.....	New York City
WEYMANN, LINDA C.....	New York City
WILKES, HELEN.....	Irvington, N. J.
WISE, HELENE BENEDICT.....	New York City
WOODHULL, HAZEL.....	New York City
WORRALL, HELEN DARLINGTON.....	New York City

CANDIDATE FOR THE B.S. DEGREE

DUNNET, ELIZABETH VYSE.....	New York City
-----------------------------	---------------

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SOPHOMORES—CLASS OF 1912

CANDIDATES FOR THE A.B. DEGREE

ANDERSON, FLORENCE DE NOYELLES.....	Haverstraw, N. Y.
BARRETT, MABEL.....	Springfield, O.
BERRIAN, GEORGINA.....	New York City
BLUMGARTEN, SARAH LILLIAN.....	Bayonne, N. J.
BOEGEHOLD, HILDA LOUISE.....	Mount Vernon, N. Y.
BOOTH, EDNA LILLIAN.....	New York City



BORCHARDT, GERTRUDE SARAPHINE.....	New York City
BRADBEER, HELEN ELIZABETH.....	Mt. Vernon, N. Y.
BRISTOL, HAZEL KNOX.....	New York City
BURKHOLDER, HAZEL.....	New York City
CASE, ROSALIND CORWIN.....	Peconic, N. Y.
CHAFFEE, CATHERINE EDITH.....	Yonkers, N. Y.
CONROY, MARY SYLVESTER.....	New York City
COSTON, LAILA ANABEL.....	Scranton, Pa.
COYLE, MOLLY BROOKE TEMPLE.....	New York City
CUSACK, GERTRUDE CECILIA.....	New York City
DAKIN, CORNELIA HEAL.....	New York City
DEACON, EDITH MAY.....	New York City
DIEHL, MARY VICTORIA.....	West New York, N. J.
DODGE, MILDRED.....	New York City
DORNING, ISABEL JANET.....	New York City
DOTY, ELEANOR MANDEVILLE.....	New York City
EVANS, ALICE BELTON.....	New York City
FELCH, ETHEL LOUISE.....	New York City
FISCHEL, REBECCA VIOLA.....	New York City
FISCHER, GRACE MARION.....	New York City
FITZ, LOUISE.....	Peconic, N. Y.
GILLEAUDEAU, GRACE.....	Mamaroneck, N. Y.
GIRDNER, PENELOPE MORGAN.....	New York City
GLEASON, SHIRLEY.....	New York City
GOUGH, ZELLA MARY.....	Mount Vernon, N. Y.
GREEN, GRACE BARRINGTON.....	Louisville, Ky.
GREENWOLD, MAY SUNEVA.....	New York City
GRIFFIN, AGNES DOROTHY.....	Cresskill, N. J.
HALE, HARRIET FLORENCE.....	New York City
HALLOCK, ANNA COBB.....	New York City
HAMBURGER, MILDRED VALENTINE.....	New York City
HAZEL, FLORENCE LOUISE.....	White Plains, N. Y.
HELLER, ELSA MARION.....	New York City
HENDRICKS, ROWENA.....	Mount Vernon, N. Y.
HODGES, MILDRED LIVINGSTON.....	New York City
HOFFMAN, PHEBE EDITH.....	New York City
JONES, ELIZABETH TOMPKINS.....	White Plains, N. Y.
JUNGHANS, BERTHA.....	New York City
KAHN, CAROLINE.....	New York City
KEENAN, IRENE DOLORES.....	New York City
KEMPTON, ETHEL MAY.....	Yonkers, N. Y.
KING, VIRGINIA KENT.....	New Rochelle, N. Y.
KOSS, ISABEL GLEN.....	New York City
KUTNER, MARGARET.....	New York City
LAMBERT, PAULA CLAIRE.....	New York City
LANDRU, LUCY EMILIE.....	Paterson, N. J.
LONDON, IRENE ELEANOR.....	New York City
LUSTGARTEN, AUGUSTA.....	New York City
McKENZIE, ISABEL.....	East Orange, N. J.
MacDONALD, LILLIE ALMA.....	Newark, N. J.
MACKAY, JENNIE KING.....	New York City
MARTIN, ALICE CRAIGE.....	Jersey City, N. J.
MATHEWS, ELEANOR ALLISON.....	New York City
MINOR, SUSAN BROWN.....	Freehold, N. J.
MISCH, ALMA IDA.....	New York City
MORDECAI, LUCILE.....	New York City

MORRIS, EDITH MATILDA.....	New York City
MORRISON, ISABELLE DRUMMOND.....	New York City
MYERS, ELEANORE.....	New York City
NAUMBURG, MARGARET JEANNETTE.....	New York City
NOYES, ISABELLE FLEMING.....	Port Chester, N. Y.
NYITRAY, LOUISE.....	New York City
O'CONNELL, MARJORIE ELIZABETH.....	New York City
OELLRICH, PAULA FRIEDA.....	East Orange, N. J.
PLUMMER, HELEN COOK.....	Cranford, N. J.
POOR, PAMELA.....	New York City
RALPH, ELSIE PEARL.....	Andover, Mass.
READY, ELIZABETH PERKINS.....	Jersey City, N. J.
REES, FLORENCE duBOIS.....	New York City
REES, VERA MARGUERITE.....	Westernville, N. Y.
REESE, CLAIRE HILDEGARDE.....	New York City
ROGERS, FRANCES E.....	Babylon, N. Y.
ROGERS, GRACE JOSEPHINE.....	New York City
RUSK, HESTER MARY.....	St. Joseph, Mo.
SALWEN, DOROTHY.....	New York City
SCHWEIS, ETTA MAY.....	New York City
SCULLY, MAY AGNES PYNE.....	New York City
SEGEE, GLADYS RENSHAW.....	New York City
SHEHAN, MARIE.....	New York City
SHELLEY, DORIS MARGUERITE.....	New York City
SHERIN, LILA MARJORIE.....	New York City
SMITH, VIRGINIA.....	Babylon, N. Y.
SOUTHERTON, MARGARET.....	New York City
SPEAR, DOROTHY ALICE.....	New York City
STACK, ELIZABETH MYRES.....	Utica, N. Y.
STEGMAN, BEATRICE CLARA.....	Hoboken, N. J.
STEVENSON, JESSIE MILLARD.....	New York City
STINE, MARY DAWSON.....	New York City
THEES, CORA ROHDE.....	New York City
THOMPSON, RUBERTA.....	New York City
VALET, EDITH MOORE.....	New York City
VON WAHL, CONSTANCE WILLIAM.....	New York City
WALTHER, CATHERINE MARGARETTA.....	Mount Vernon, N. Y.
WEIL, LUCILLE.....	New York City
WILLETS, GERALDINE.....	White Plains, N. Y.
WILSON, ANNIE STAVELY.....	Newark, N. J.
WOODRUFF, JENNIE ESTELLE.....	Passaic, N. J.
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RICHARDSON, ELIZABETH SCARLETT.....	New York City
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## FRESHMEN—CLASS OF 1913

## CANDIDATES FOR THE A.B. DEGREE

ARMSTRONG, NATHALIE VICTORIA.....	Montclair, N. J.
AUERBACH, JENNIE GABRIEL.....	New York City
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BALMFORD, EDITH FRANCES.....	New York City
BARRETT, ALICE ADELINE.....	New York City
BARTLING, LOUISE HELENE.....	New York City
BLOUNT, IDA MAY.....	Atlanta, Ga.
BRENNAN, MAUDE MARSDEN.....	New York City
BROMBACHER, EMMA CHRISTINE.....	New York City
BROOKS, ROSALIE WHITEHEAD.....	Harrison, N. Y.
BROWN, ALICE GUNDESEN.....	Perth Amboy, N. J.
BROWN, GRACE D.....	New York City
BUNZEL, BESSIE.....	New York City
BUNZL, MADELAINE EMILY.....	New York City
BURGESS, ESTHER LEONORE.....	New York City
BUTTENWIESER, CLARA.....	New York City
CAMPION, GERTRUDE NEUSE.....	New York City
CASSEDY, MARGUERITE.....	New York City
CEROW, GEORGIA ANGELA.....	New York City
CHEESMAN, DOROTHY HOWLAND.....	New York City
CHILD, DOROTHY KENNEDY.....	New York City
CLARKE, ROSEMARY.....	Lake Mahopac, N. Y.
COFFIN, GRACE.....	New York City
COMES, LOUISE.....	Hackensack, N. J.
CRADDOCK, CATHERINE ETHEL.....	New York City
CROSBY, HELEN MARGARET.....	Centerville, Mass.
DALGLEISH, IRENE LOUISE.....	Stamford, Conn.
DALY, MABEL.....	New York City
DANA, HELEN MANLEY.....	Tarrytown, N. Y.
DAVIS, SARAH CAROLINE.....	Oak Grove, Ala.
DEICHES, ESTELLE.....	New York City
DESSAR, AMY GRACE.....	New York City
DOENHOFF, DOROTHEA VON.....	New York City
DONOVAN, ELIZABETH K.....	Oswego, N. Y.
DOUGLAS, ISABELLA PRESTON.....	New York City
DOWNS, BESSIE.....	Jersey City, N. J.
DWYER, HELEN.....	New York City
EATON LEVANCHIA VIBBARD.....	Dansville, N. Y.
EDELL, ALBERTA CAROLINE.....	Blossvale, N. Y.
ELLISSON, ESTELLE JAMES.....	New York City
EMMONS, MARTHA.....	New York City
ENGLISH, ELIZABETH.....	Yonkers, N. Y.
FEELEY, VERA ELIZABETH.....	New York City
FITZGERALD, HENRINE BROWN.....	New York City
FLEISCHMAN, DORIS ELSA.....	New York City
POLAND, HELEN AUGUSTA.....	New York City
FOX, ETTA BELLE.....	New York City
FRANKLIN, ELINOR.....	New York City
FRANKLIN, MARJORIE LORNE.....	New York City
FREAR, IRENE LOUISE.....	New York City
FREUDENTHAL, RHODA FLORENCE.....	New York City
GLAHN, IRMA VON.....	Red Bank, N. J.
GLENN, IRENE LOUISE.....	New York City

GOLDMAN, HARRIET LOIS .....	New York City
GOLDSTEIN, REBECCA .....	East Orange, N. J.
GOTTLIEB, SAIDA ELSA .....	New York City
GRAY, ELIZABETH PERINE .....	New York City
GRAY, KATHLEEN .....	New York City
GREENE, GENEVIEVE VAN VLIET .....	New York City
GRENELLE, MIRIAM BATHSEBA .....	North Paterson, N. J.
HALFPENNY, EDITH .....	New York City
HARDY, EDITH FRANCES .....	New York City
HARRIS, NAOMI .....	New York City
HASBERG, GLADYS STELLA .....	New York City
HAWKEY, ETHEL MAY .....	Hackensack, N. J.
HESSBERG, MAY SYLVIA .....	New York City
HILDEBRAND, MARY A. ....	New York City
HILLAS, MARY MAIDE .....	West Hoboken, N. J.
HOUGHTON, ELEANOR GREGORY .....	Denver, Colo.
HUBERT, EMMA SOPHIA .....	Mount Vernon, N. Y.
IRELAND, IMOGENE BELLE .....	Yonkers, N. Y.
ISABEL, ERNESTINE CHARLOTTE .....	New York City
JOHNSON, IRENE GRACE .....	Mount Vernon, N. Y.
KALT, MARGUERITE JEANNETTE .....	New York City
KATZ, MOLLIE .....	New York City
KELLEY, MARGARET FRANCES .....	Mount Vernon, N. Y.
LATZKE, FRANCES .....	New York City
LATZKE, PAULINE .....	New York City
LE COUNT, ADELAIDE .....	New Rochelle, N. Y.
LE QUESNE, EDITH FRUING .....	New York City
LEVERIDGE, ETHEL SYLVIA .....	New York City
LINGG, SOPHIE CLAIRE .....	New York City
LOCKWOOD, PRISCILLA .....	New York City
LOUGHREN, AMANDA .....	Elizabeth, N. J.
LOWTHER, FLORENCE DE LOISELLE (Mrs. H. Lowther) .....	New York City
LUDLOW, HELEN .....	Bridgehampton, N. Y.
MCGIVNEY, VIRGINIA ISABELLE .....	New York City
McKEE, GRACE .....	Port Washington, N. Y.
MACDONALD, BESSIE NELSON .....	New York City
MAGID, AUGUSTA .....	New York City
MARLEY, RUTH JACKSON .....	Newark, N. J.
MARTIN, CLAIRE HAZEL .....	New York City
MESSING, MILDRED KATHERINE .....	New York City
MORRIS, GERTRUDE ELIZABETH .....	New York City
MULQUEEN, MARY .....	New York City
MUMFORD, AMELIA ROBINSON .....	Saratoga Springs, N. Y.
MUMFORD, MARY BATTLE .....	Saratoga Springs, N. Y.
MURPHY, IRENE CECILIA .....	Weehawken, N. J.
NEUGASS, MARGUERITE MINNIE .....	New York City
NEWMAN, MARION ROSE .....	New York City
NEWMAN, MINNIE .....	New York City
NEWMARK, SOPHIA .....	New York City
NOBIS, AGNES .....	Yonkers, N. Y.
NOBLE, KATHARINE .....	New York City
OERZEN, ELEANOR MARGUERITE .....	New York City
O'GORMAN, ANNA ALOYSIA .....	New York City
O'ROURKE, MARGARET .....	White Plains, N. Y.
OSTERBERG, RUTH ANNA .....	New York City
PARKS, EDDIE THOMAS .....	New York City

PEARSON, GRACE MADELEINE.....	New Rochelle, N. Y.
PERO, SALLIE.....	New York City
PHILLIPS, HELEN EUGENIA.....	New York City
POORE, HARRIET WINSHIP.....	Georgetown, Mass.
REILLY, LILLIE.....	New York City
REUBEN, CARMEN SYLVA.....	New York City
REYNOLDS, BEATRICE.....	New York City
RICHEY, MARGARET CECELIA.....	New York City
ROBERTS, ELEANOR WHITNEY.....	New York City
ROBINSON, MARJORIE.....	New York City
ROEDER, ELFRIEDA ADELINE.....	New York City
ROSENBLATT, EDITH GERTRUDE.....	New York City
ROTH, GOLDDYE GLADYS.....	New York City
SALZMAN, ANNA BEATRICE.....	New York City
SANDFORD, HELEN.....	Dansville, N. Y.
SEIBERT, HARRIET.....	New York City
SHANNON, REGINA LEONORE.....	New York City
SHAW, JEAN MACLEAN.....	Rockland Lake, N. Y.
SLADE, MURIEL GLADYS.....	New York City
SMALLEY, MARY FRANCES.....	Dansville, N. Y.
SPEARLING, JOAN LOUISE.....	New York City
STEBBINS, MABEL CLARA.....	New York City
STENBUCK, BERTHA ELISABETH.....	New York City
STERN, ALENE.....	New York City
STEWART, MARY WOTHERSPOON.....	New York City
STRAITON, CHRYSTENE.....	New York City
TERRELL, ETHEL FLORENCE.....	New York City
TOBEL, HENRIETTA VON.....	Lewistown, Mont.
TOBIAS, HELEN.....	New York City
TULLY, MARION.....	New York City
TYNDALL, RUTH MITCHELL.....	New York City
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VAN RAALTE, JEANETTE.....	New York City
VAN VRANKEN, FLORENCE.....	New York City
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VOORHIS, SARAH GRAHAM.....	New York City
VOYSE, MARY.....	Yonkers, N. Y.
WEEKS, ALICE MADELINE.....	Red Bank, N. J.
WEGENER, MARY ADAMS.....	New York City
WHITE, VARIAN.....	Hackensack, N. J.
WIENER, EDITH.....	New York City
WIGAND, EMMA ELEANOR.....	New York City
WOLF, PRISCILLA.....	New York City
WOLFF, MARION.....	New York City
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ZIMMER, ALICE.....	New York City

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MELSHA, JOSEPHINE CECILE.....	New York City
RAPELYE, EMMA LOUISE.....	New York City



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GLESS, MARIETTE LOUISE.....	Newark, N. J.
JONES, EDITH LYDIA.....	New York City
KELLY, EDYTHE GRACE.....	New York City
LANGFORD, DOROTHY DOUGLAS.....	Monticello, N. Y.
LONDON, EDITH.....	New York City
O'MALLEY, ELIZABETH CECILIA.....	Yonkers, N. Y.
PAYNE, JESSIE EVANGELINE.....	Northport, N. Y.
RABINOWITZ, CHISSAY.....	New York City
REARDON, ELIZABETH.....	Yonkers, N. Y.
ROBINSON, LOLA.....	New Rochelle, N. Y.
ROSSIN, ETHEL CLARA.....	New York City
SINN, RENA STEPHANIE.....	New York City
SMITH, SUSAN.....	Central Islip, N. Y.
SURUT, ANNA.....	New York City
WEBB, ETHEL WILLIARD.....	Mount Vernon, N. Y.
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## SPECIAL STUDENTS, MATRICULATED

COCHRANE, ETHEL MAY.....	Mount Vernon, N. Y.
FANCHER, KATHARINE STORY.....	Middletown, N. Y.
HERRESHOFF, ANNA FRANCIS.....	New York City
HITCHINGS, CHRISTINE.....	New York City
HODGE, CHARLOTTE MORSE.....	New York City
INGERMAN, EUGENIA.....	New York City
INGRAHAM, RUTH.....	New York City
MORGENSTERN, ADDIE FREDERICKA.....	New York City
PETTIT, ETHEL RUTH.....	New York City
RICE, MARJORIE.....	New York City
ROOF, MARY STODDARD.....	Claremont, Cal.
RUSK, LOUISE.....	St. Joseph, Mo.
SIMMONS, EDITH MAY.....	Englewood, N. J.
STEIN, LILLIE EMILY.....	New York City
SUNIER, ANNETTE.....	Iowa City, Ia.
TABER, BERNICE.....	Holton, Kan.
TIFFANY, LOUISE COMFORT.....	New York City
VAN HORN, OLIVE OSTRANDER.....	Wilkes Barre, Pa.
VENNER, GERTRUDE AMY.....	New York City
WATSON, MARGARET WICKHAM.....	New York City
WEIL, AMY ADELAIDE.....	New York City
WEINER, MILDRED FELICIA.....	New York City
WILLETS, ELIZA LEGGETT.....	New York City
Matriculated Special Students.....	23

## SPECIAL STUDENTS, NON-MATRICULATED

ALEXANDER, ADELAIDE.....	Gunston P. O., Va.
BAMENT, HELEN VAUGHN.....	East Orange, N. J.
BATTERTON, FLORENCE P. (Mrs. F. P. Batterton).....	New York City
DESHON, ELIZABETH.....	Tulsa, Okla.
FRARY, MARIE H.....	Bradford, Pa.
HADDEN, VALERIE BURCKHARDT.....	New York City
HEIMANN, RITA.....	New York City
HEUEL, ELSIE JOSEPHINE.....	New York City
HOFFMEISTER, JULIA.....	Passaic, N. J.

McLANAHAN, EDNA CONYERS.....	Tecumseh, Neb.
MOYNAHAN, ROSALIE MARIE.....	New York City
NICHOLS, ELIZABETH WILLIAMS.....	New York City
NICHOLS, MARJORIE.....	New Rochelle, N. Y.
NICHOLSON, HAZEL.....	Manistique, Mich.
OSBORNE, MARY HARROWER.....	New York City
REYNOLDS, MIRIAM.....	Rome, Ga.
SCHAEFER, HELEN CHARLOTTE.....	Paterson, N. J.
SCHAPIRO, MARY LILLIAN (Mrs. J. S. Schapiro).....	New York City
STAATS, MARION.....	Great Barrington, Mass.
TALLATSCHEK, LUCIE A.....	New York City
TOOKER, MAUDE WENTWORTH (Mrs. W. M. Tooker).....	Larchmont Manor, N. Y.
TWEED, KATHARINE WINTHROP.....	New York City
Non-matriculated Special Students .....	22

## SUMMARY

## Seniors—Class of 1910:

Candidates for the Barnard College A.B. degree alone .....	61
Candidates for Barnard College A.B. degree and Teachers College diploma in education .....	7
Candidate for the B.S. degree .....	1
	<hr/> 69

## Juniors—Class of 1911:

Candidates for the A.B. degree .....	120
Candidate for the B.S. degree.....	1
	<hr/> 121

## Sophomores—Class of 1912:

Candidates for the A.B. degree.....	104
Candidates for the B.S. degree.....	4
Student in General Two-Year Course.....	1
	<hr/> 109

## Freshmen—Class of 1913:

Candidates for the A.B. degree.....	156
Candidates for the B.S. degree.....	6
Students in General Two-Year Course .....	16
	<hr/> 178

## Special Students:

Matriculated .....	23
Non-matriculated.....	22
	<hr/> 45
University Students.....	43
Teachers College Students.....	169
	<hr/> 212

Grand Total .....	734
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SETH LOW, LL.D.	ARTHUR ISELIN
JAMES SPEYER	CLARKE WILLIAMS
ARCHER M. HUNTINGTON, L.H.D.	JORDAN J. ROLLINS
JAMES E. RUSSELL, LL.D.	HORACE E. ANDREWS
MRS. FREDERICK F. THOMPSON	ARTHUR TURNBULL

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 Mr. FURST.....*Secretary*  
 Professor D. E. SMITH (Term expires 1911)..*Elected Delegate to the  
University Council*  
 " DODGE (Term expires 1910).....*Elected Delegate to the  
University Council*

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Professor WOODHULL	" MONROE
" CATTELL	" <sup>1</sup> DUTTON
" <sup>2</sup> COHN	" LODGE
" <sup>1</sup> BAKER	" E. L. THORNDIKE
" PRETTYMAN	" FARNSWORTH
" DODGE	" D. E. SMITH
" RUSSELL	" T. D. WOOD
" KINNE	" WOODBRIDGE
" WOOLMAN	" <sup>2</sup> SACHS

<sup>1</sup> Absent on leave first half-year.

<sup>2</sup> Absent on leave second half-year.

## Professor GIES

Mr. FURST

## Professor MEYLAN

" BAGSTER-COLLINS

" <sup>2</sup> BIGELOW" <sup>2</sup> SYKES

" PEARSON

" VULTÉ

" <sup>3</sup> MACVANNEL

## Professor DOW

" DEWEY

" H. C. SHERMAN

" DUCKE

" H. JOHNSON

" SNEDDEN

" NUTTING

" STRAYER

" <sup>1</sup> SUZZALLO

## Professor NORSWORTHY

## Other Officers of Instruction

MAY BELLE VAN ARSDALE, B.S.....	Head of Department of Foods
JANE THERESE FALES, B.S.....	Head of Department of Textiles
CHARLES CONRAD SLEFFEL.....	Instructor in Forging
CHARLES WILLIAM WEICK, B.S.....	Instructor in Wood-Working
MAUD MARCH.....	Instructor in Physical Education
WILLIAM H. NOYES, A.M.....	Instructor in Manual Training
WILLIAM McCASTLINE, M.D.....	Instructor in Physical Education
CAROLINE CRAWFORD.....	Instructor in Physical Education
PATTY SMITH HILL.....	Instructor in Kindergarten Education
CLARA BARBARA KIRCHWEY.....	Instructor in Geography
GRACE CORNELL.....	Instructor in Fine Arts
WILLIAM SKARSTROM, M.D.....	Instructor in Physical Education
EDGAR FAUVER, A.B.....	Instructor in Physical Education
ELIZABETH SAGE.....	Instructor in Household Arts
ANNA M. COOLEY, B.S.....	Instructor in Household Arts
GRACE FULMER.....	Instructor in Kindergarten Education
JEAN BROADHURST, B.S.....	Instructor in Biology
ANNA BARROWS.....	Instructor in Household Arts
LAMONT A. WARNER.....	Instructor in Household Arts
CHARLES F. MARPLE.....	Instructor in Fine Arts
WYLLYSTINE GOODSSELL, A.M....	Instructor in the History of Education
CLIFFORD UPTON, A.M.....	Instructor in Mathematics
ALON BEMENT.....	Instructor in Fine Arts
PERCIVAL R. COLE, Ph.D.....	Instructor in the History of Education
ROMIETT STEVENS, A.M.....	Instructor in Secondary Education
MARGARET MAUD ZERBE.....	Instructor in Music
EDWARD J. THATCHER.....	Instructor in Manual Training
ALETTA VAN WYCK SCHENCK.....	Instructor in Household Arts
ANNA PAMELA BROOKS, B.S.....	Instructor in Fine Arts
WILLIAM BINGHAM, Ph.D.....	Instructor in Educational Psychology

<sup>1</sup> Absent on leave first half-year.<sup>2</sup> Absent on leave second half-year.<sup>3</sup> Absent on leave.

HELEN LATHAM.....	<i>Instructor in Music</i>
MARGARET CALHOUN.....	<i>Instructor in Physical Education</i>
GEORGE HOLM.....	<i>Instructor in Physical Education</i>
WILLIAM H. KILPATRICK.....	<i>Instructor in the History of Education</i>
ELIZABETH L. BARRIS.....	<i>Instructor in Manual Training</i>
CHARLOTTE A. FRANCIS.....	<i>Instructor in Physical Science</i>
LILLIAN C. DREW.....	<i>Instructor in Physical Education</i>
MARY D. SWARTZ, Ph.D.....	<i>Instructor in Household Arts</i>
LYDIA SOUTHARD.....	<i>Instructor in Household Arts</i>
AZUBAH JULIA LATHAM, B.S.....	<i>Lecturer in Music</i>
MARY THEODORA WHITLEY, A.M....	<i>Tutor in Educational Psychology</i>
LOUISE CHRISTINE SUTHERLAND.....	<i>Tutor in Kindergarten</i>
ELIZA BENTON, Ph.B.....	<i>Tutor in Household Arts</i>
JULIA WADE ABBOTT.....	<i>Tutor in Kindergarten</i>
MARY BULL HANCKEL.....	<i>Tutor in Fine Arts</i>
ISABELLA JEWELL, B.S.....	<i>Tutor in Household Arts</i>
CAROLINE STACKPOLE, M.A.....	<i>Tutor in Biology</i>
LAURA WHITTEMORE.....	<i>Tutor in Household Arts</i>
WILLIAM HENRY BOYNTON.....	<i>Tutor in Household Arts</i>
PETER SANDFORD, M.S.....	<i>Tutor in Elementary Education</i>
BLANCHE COLTON WILLIAMS, A.B.....	<i>Tutor in English</i>
CORA M. WINCHELL.....	<i>Tutor in Household Arts</i>
FLORENCE M. WINCHELL.....	<i>Tutor in Household Arts</i>
EMILY C. SEAMAN.....	<i>Tutor in Household Arts</i>
EDNA SKINNER.....	<i>Tutor in Household Arts</i>
EVELYN C. TOBEY.....	<i>Tutor in Household Arts</i>
LYDIA RAY BALDERSTON.....	<i>Tutor in Household Arts</i>
JEANNETTE ROWLAND SEIBERT, A.M.....	<i>Recorder, Department of Physical Education</i>
MARY H. PEACOCK.....	<i>Lecturer in Household Arts</i>
FLORENCE L. CORBETT.....	<i>Lecturer in Household Arts</i>
MATILDA GARRETSON REA.....	<i>Assistant in Household Arts</i>
GRACE MARIE DASCHBACH.....	<i>Assistant in Music</i>
MARY WROE CURTIS.....	<i>Assistant in Household Arts</i>
SADIE VANDERBILT.....	<i>Assistant in Household Arts</i>
MILO B. HILLEGAS.....	<i>Assistant in Educational Psychology</i>
THEODORA E. WYE, B.S.....	<i>Assistant in Latin and Greek</i>
MARY REESOR.....	<i>Assistant in Physical Education</i>
MRS. MELINDA I. MANCHESTER.....	<i>Assistant in Household Arts</i>
LUCILLE G. FRENCH.....	<i>Assistant in Household Arts</i>
ISABEL STEWART.....	<i>Assistant in Household Arts</i>
LYDIA ANDERSON.....	<i>Assistant in Household Arts</i>



## Officers of Administration

(See page 5)

## TEACHERS COLLEGE SCHOOLS

## Officers of Administration

Professor RUSSELL, *Dean*" DUTTON, *Superintendent*

## Horace Mann Schools

VIRGIL PRETTYMAN, Pd.D., *Principal of High School*; HENRY CARR PEARSON, A.B., *Principal of Elementary School*; CHARLOTTE IANS GARRISON, *Principal of Kindergarten*; MRS. CHARLOTTE JOY FARNSWORTH, *Preceptress of High School*; MARION ROOT PRATT, *Executive Secretary*; BERTHA WARNER SEELEY, *Secretary to Principal of High School*; CORA MAY GEER, *Secretary to Principal of Elementary School*; ETHEL ELLEN ROCKWELL, *Custodian of Library*.

## Instructors and Assistants in Horace Mann Schools

STEITZ, Prussian Exchange Teacher of *German*; ALLAN ABBOTT, A.B., *English*; FISKE ALLEN, *Mathematics*; KATE STUART ANTHONY, *Domestic Art*; WALTER WHIPPLE ARNOLD, A.M., *Latin*; CHARLES MCCOY BAKER, A.M., *Latin*; HELEN BARTLETT BAKER, A.M., *English*; ANNA WOODS BALLARD, *French*; ROBERT WALDO BELCHER, *History*; MINNIE LOUISE BOLLERT, *English*; FRANK ELBERT BROOKS, A.B., *French*; MRS. MARIE KARCHERBROOKS, *French*; HOWARD DRAKE BRUNDAGE, *Wood-working*; ELLA ADELINE BUSCH, *German*; <sup>1</sup>ELIZA RHEES BUTLER, A.B., *History*; <sup>1</sup>MARY EDWARDS CALHOUN, M.A., *English*; JANE RAFTER CONDIT, *Biology*; MARY AGNES DINGMAN, *History*; MARIA LOUISE DOWD, *Physical Education*; WILLARD FINLEY ENTEMAN, *Mathematics*; BAILEY B. FOSTER, *Physical Education*; CHARLOTTE A. FRANCIS, *Chemistry and Physics*; ARTHUR TAPLEY FRENCH, B.S., *Mathematics*; MARY BROWNSON GILLMORE, Ph.B., *History*; <sup>1</sup>WILLIAM HELMUTH GOHDES, A.B., *German*; FANNIE JOSEPHINE HAEFELIN, M.A., *German*; LEWIS HOWELL HAIGHT, *Machine Work*; EDWARD FRANKLIN HAUCH, B.A., *German*; GEORGE THOMAS HOLM, *Swimming*; CHARLES WILLIAM HUGUENIN, *French*; ALEXANDER JAMES INGLIS, A.B., *Latin*; P. JOSEPH KERSEY, *Physical Education*; CLARA BARBARA KIRCHWEY, *Geography*; EMMA LENORE MACALARNEY, B.S., *English*; JOHN DUELE NEITZ, A.B., M.E., *Special Teacher for Delinquent Pupils*; ROBERT MILES NORTHUP, *Mathematics*; LILLA ANNE NOURSE, *Drawing*; MAUD OLDHAM, *English*; ALBERT FRANKLIN REED, A.M., *Latin*; CHARLES CONRAD SLEFFEL, *Forging*; EDWARD OLE THORPE, *Latin and Greek*; CLIFFORD BREWSTER UPTON, A.B., *Mathematics*; CHARLES WILLIAM WEICK, B.S., *Wood-Working*; MRS. ELIZABETH MARIAN WHEELOCK, *Latin*; LAURA BRAINARD WHITE-

<sup>1</sup>Absent on leave.

MORE, *Domestic Science*; ROLAND HUGH WILLIAMS, B.S., A.M., *Chemistry and Physics*; CLARA MABEL WHEELER, *First Grade*; FLORENCE MABEL McVEY, *First Grade*; EVELYN BATCHELDER, *Second Grade*; MILDRED IONE BATCHELDER, *Second Grade*; THEO. R. STONE, *Third Grade*; MARY HAMMETT LEWIS, *Third Grade*; IDA ELIZABETH ROBBINS, *Fourth Grade*; FLORENCE MAY MARSHALL, *Fourth Grade*; LURA PARKER FITCH, *Fifth Grade*; MARGARET CONDRIY, *Fifth Grade*; MAUD VIVIAN KEYES, *Fifth Grade*; MARY GERTRUDE PEABODY, *Sixth Grade*; MARY FREDERIKA KIRCHWEY, *Sixth Grade*; MRS. SIEGRIED HANSEN UPTON, *Sixth Grade*; CAROLINE WOODBRIDGE HOTCHKISS, *Seventh Grade*; LILLIAN EMILY ROGERS, *Seventh Grade*; GEORGIA FARRAND BACON, B.S., *Seventh Grade*; MARY PERLE ANDERSON, *Nature Study*; ROSA E. MILLER, A.B., B.S., *Drawing*; HELEN LATHAM, *Music*; LUCY HESS WEISER, *Manual Training*; FLORENCE MARY HEALY, *Physical Education*; ELIZABETH CLEASBY, *Primary Grades*; NELLIE W. BIRDSONG, *Grammar Assistant*; ELEANOR KIDD CHAPIN, *Primary Assistant*; LOUISE CHRISTINE SUTHERLAND, *Kindergarten Teacher*; WINIFRED SHERWOOD, *Kindergarten Assistant*; BERTHA SCHWABLE, *Kindergarten Assistant*.

Speyer School—AMY SCHÜSSLER, B.S., *Principal*; CLARA CHENEY JAMES, *First Grade—Critic Teacher*; ELEANOR WRIGHT, *Second Grade*; ROXANA A. STEELE, *Third Grade*; ALICE THOMPSON, *Fourth Grade*; CLARA R. BENNETT, *Fifth Grade—Critic Teacher*; ELIZABETH JOHNSON, *Sixth Grade*; CLARENCE C. COOPER, *Seventh Grade*; EDITH MAY TUFTS, *Eighth Grade—Critic Teacher*; JULIA WADE ABBOT, *Kindergarten Critic*; BESSIE GORDON SMITH, *Assistant in Kindergarten*; LAURA VALENTINE, *Librarian and Social Worker*; ISABEL STEPHENS, *Physical Education*; HELEN LATHAM, *Music*; HOWARD D. BRUNDAGE, *Manual Training*; ANNA PAMELA BROOKS, A.B., B.S., *Art Critic Teacher*; MRS. LULIE WILES ROBBINS, *Director of Social Work*.

### GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by its Dean and a representative elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Applied Science. It affords opportunity for the advanced study of educational psychology,

the history and philosophy of education, educational administration, and the various aspects of secondary, elementary, and kindergarten education. It also provides professional training, both theoretical and practical, for teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; for special teachers of such technical subjects as household arts, industrial arts, fine arts, music and physical education; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' Professional Curriculum, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching, requiring for entrance the previous completion, at Columbia University or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any department of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's and Doctor's Diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in education. Such curricula provide work in educational psychology, the history and the philosophy of education, educational administration, secondary education, elementary education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

The professional curriculum is so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

### **Buildings and Equipment**

The buildings of Teachers College, representing an investment of more than three million dollars, occupy the block directly north of the University Campus, bounded by 120th and 121st streets, Amsterdam Avenue and Broadway.

The Main Building, containing equipment for administration and instruction, the Bryson Library—the educational library of the University—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; by the Macy Manual Arts Building, with its exceptional equipment for work in Fine Arts and Industrial Arts; and by the new Household Arts Building. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. On the East of it is Whittier Hall, the residence for the women students of the College. The building of the James Speyer School is a short distance north of the College on Lawrence Street, near Amsterdam Avenue.

### **Scholarships, Prizes, and Honors**

(See page 440)



# REGISTER OF STUDENTS, 1909-10

## Teachers College

### Graduate Students

#### Candidates for the Doctor's Degree and Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. Minor courses not in Education are given in italics below.

- ALEXANDER, CARTER, B.S. Missouri 1905, A.B. 1906, A.M. 1908, *Sociology*. . . . . Paris, Mo.  
 ARMSTRONG, ALFRED HAVILOCK, A.M. 1904, A.B. Acadia 1896,  
*Sociology*. . . . . Dobbs Ferry, N. Y.  
 BENTLEY, RUFUS CLARENCE, A.B. Nebraska 1894, A.M. 1896, *Psychology*, New York City  
 BLAN, LOUIS BENJAMIN, A.M. 1908, B.S. C. C. N. Y. 1901  
*Sociology*. . . . . Port Richmond, N. Y.  
 BROWN, CHARLES GUY, A.B. Wesleyan 1904, A.M. Dartmouth 1905,  
*Mathematics*. . . . . Livermore Falls, Me.  
 BROWN, JOHN S., JR., Ph.B. Brown 1900, *Philosophy, Psychology*. . . . . New York City  
 BROWN, SAMUEL WINDSOR, A.B. Leland Stanford, Jr., 1907  
*History, Sociology*. . . . . San José, Calif.  
 BROWNING, LAURA COLEMAN, B.S. N. Y. U. 1907, A.M. 1909 *Psychology*, New York City  
 BUCKINGHAM, BURDETTE ROSS, A.B. Wesleyan 1899, A.M. 1900, *English*, Elmhurst, L. I.  
 CASTLE, MRS. CORA SUTTON, A.B. Minnesota 1905, M.L. California 1908,  
*Psychology*. . . . . San Francisco, Calif.  
 CLARK, ANNA MAY, A.M. 1904, Ph.B. Vermont 1898, *Geology*. . . . . Brookfield, Vt.  
 COFFMAN, LOTUS DELTA, A.B. Indiana 1905, *Sociology*. . . . . Charleston, Ill.  
 COOK, EDMUND CURLEY, A.B. Dartmouth 1892, A.M. 1899, A.B.  
 Harvard 1894, *Mathematics, Latin*. . . . . New York City  
 COOK, HARRY MORELAND, A.M. 1909, A.B. Taylor 1902, A.M. Washington  
 1908, *Sociology*. . . . . Clifton, N. J.  
 DRIEHAUS, IRWIN WILLIAM, B.S. Cincinnati 1900, *Physics*. . . . . Madisonville, Ohio  
 ELLIOT, CHARLES HERBERT, A.M. 1908, B.S. McKendree 1907,  
*Psychology*. . . . . Belleville, Ill.  
 FITZPATRICK, EDWARD AUGUSTUS, B.S. 1906, A.M. 1907, *Psychology*. . . . . New York City  
 FLESHMAN, ARTHUR CARY, B.S. Normal University 1884, M.S. 1892,  
 A.M. Columbia 1903, *Philosophy*. . . . . Valley City, Indiana  
 FOSTER, WILLIAM TRUFANT, A.B. Harvard 1901, A.M. 1904, *Sociology*. . . . . Brunswick, Me.  
 GILTNER, EMMETT E., A.M. 1907, A.B. Indiana 1904, *Sociology*. . . . . New York City  
 GOLDWASSER, DAVID, A.B. C. C. N. Y. 1903, *Philosophy*. . . . . New York City  
 HAU, GEORGE WILLIAM, A.M. 1909, B.P. Ohio Normal, 1899, A.M. Ohio  
 Northern 1906. . . . . Holgate, Ohio  
 HEWINS, NELLIE PRISCILLA, A.M. 1902, B.S. Cornell 1898, *Botany*. . . . . Elmhurst, N. Y.  
 HOLLAND, ERNEST OTTO, A.B. Indiana 1895, *Sociology*. . . . . Bloomington, Indiana  
 HOLTON, EDWIN L., A.B. Indiana 1904, *Sociology*. . . . . Noblesville, Indiana  
 HOPKINS, PRINCE CHARLES, Ph.B. Yale 1906, *Psychology*. . . . . Santa Barbara, Calif.  
 HUTCHINSON, JAMES HOWARD, A.M. 1909, A.B. Colgate 1905,  
*Social Economy*. . . . . Pocantico Hills, N. Y.  
 JESSUP, WALTER ALBERT, A.B. Earlham 1903, *Sociology*. . . . . Richmond, Indiana  
 JOHNSON, ARTHUR C., JR., B.S. Pennsylvania 1907, A.M. 1908,  
*Philosophy*. . . . . Castleton-on-Hudson, N. Y.



JOHNSON, ARTHUR LACEY, B.S. Lafayette 1896, M.S. 1899,

*Social Economy*.....Cranford, N. J.  
 KANDEL, ISAAC LEON, A.B. Manchester 1902, A.M. 1906, *Sociology*.... Manchester, Eng.  
 KILPATRICK, WILLIAM HEARD, A.B. Mercer 1891, *Philosophy*..... White Plains, Ga.  
 KUHN, ADELINA, A.M. 1908, A.B. Vassar 1904, *Sociology*..... New York City  
 LELAND, ABBY PORTER, A.B. 1905, A.M. 1906, *Philosophy*..... Mechanicsville, N. Y.  
 LOCKE, LESLIE LELAND, A.B. Grove City 1896, A.M. 1900, *Mathematics*, Grove City, Pa.  
 LOEW, JOSEPH, B.S. C. C. N. Y. 1903, A.M. N. Y. U. 1905..... New York City  
 MCCARTY, STELLA A., A.B. Woman's College 1892, *Philosophy*..... Trenton, N. J.  
 MEYER, HENRY HERMAN, A.B. German Wallace 1900, A.M. 1903, B.D.

Drew Theological 1903, *Psychology*..... Maplewood, N. J.  
 MORELOCK, OLIVER JAMES, A.B. Franklin and Marshall 1892, *Philosophy*, E. Orange, N.J.  
 PROSSER, CHARLES ALLEN, A.B. De Pauw 1897, A.M. 1906,

*Philanthropy*..... New Albany, Ind.  
 REINOEHL, CHARLES MYRON, A.B. Indiana 1909, A.M. 1909, *Psychology*, Kendallville, Ind.  
 REISNER, EDWARD H., A.B. Yale 1908, A.M. 1909, *Philosophy*.... McConnellsburg, Pa.  
 ROBBINS, CHARLES LEONIDAS, A.B. Kansas 1902, A.M. 1903, *History*.... Russell, Kan.  
 ROGERS, JAMES CLARKSON, A.B. Queens 1894, Pd.M. N. Y. U. 1903,

Pd.D. 1908..... Brooklyn, N. Y.  
 RUGGLES, ALLEN MEAD, A.B. Wisconsin 1906, *Psychology*..... Norwich, N. Y.  
 RUSSELL, WARREN LOCKE, A.B. Harvard 1904, A. M. 1905..... New York City  
 SIES, RAYMOND WILLIAM, A.B. Iowa 1907, A.M. 1908, *Sociology*.... Cedar Rapids, Ia.  
 SURREY, FRANK MILLER, A.B. Dartmouth 1899, A.M. Harvard 1902.... New York City  
 TERRELL, ALICE, B.L. Oberlin 1888, A.M. 1908, *Chinese*..... Peking, China  
 TROWBRIDGE, JANETTE, B.S. 1906, *Chemistry*..... Brooklyn, N. Y.  
 TUCKER, LOUISE EMERY, A.M. 1901, A.B. Adelphi 1900, *Philosophy*... Brooklyn, N. Y.  
 URCH, MARY ELIZABETH, B.L. Albion 1893, *Philosophy*..... Bay City, Mich.  
 WELLS, GUY FRED, A.B. 1907, A.M. 1908, *History*..... Oatfield, Wis.  
 WELSH, JOHN CLEVELAND, B.S. Carson & Newman 1887, M.S. George  
 Washington 1903..... New York City

### Candidates for Master's Degree and Diploma

The following students are also registered under the Faculty of Philosophy and are pursuing a major course in Education in Teachers College. The minor courses not in Education are given in italics below.

ABRAHAM, ARON, Friedrich-Wilhelm Universität, Berlin, 1905,

*Indo-Iranian*..... New York City  
 ADAMS, MATTHEW PRIOR, B.S. Harvard 1904, *Geology*..... Waban, Mass.  
 ALBRIGHT, MARGARET, A.B. Coe 1909, *Latin*..... Cedar Rapids, Ia.  
 ANTHONY, ANNA G., A.B. 1907..... New York City  
 ASHER, WILLIAM, B.S. C. C. N. Y. 1901..... New York City  
 BAER, ASCHER, B.S. N. Y. U., 1907, *Psychology*..... New York City  
 BARR, LOIS ELTA, B.S. 1909..... Holdrege, Nebr.  
 BARROW, JOHN BURKETT, A.B. Codrington 1898..... Brooklyn, N. Y.  
 BATCHELOR, CHARLES BRONK, A.B. 1906..... New York City  
 BAUER, JOSEPHINE KATHERINE, Ph.B. Chicago 1909, *Sociology*.... Indianapolis, Ind.  
 BEACHLER, JOHN REUBEN, A.B. Earlham 1896, *Psychology*..... Piqua, Ohio  
 BELCHER, ARTHUR WILLIAM, A.B. Harvard 1904, *Mathematics*.... Plymouth, Mass.  
 BERNKOPF, ANNA ELISE, B.S. 1909, *German*..... New York City  
 BERRY, JOSEPHINE THORNDYKE, B.S. 1904, A.B. Kansas 1893,

*Household Arts, Chemistry*..... Waterville, Kan.  
 BLUMENSTOCK, JACOB, A.B. Brooklyn Polytechnic 1907, *English*..... Brooklyn, N. Y.  
 BOCKER, DOROTHY, B.S. N. Y. U. 1908, *Physical Education*..... New York City  
 BRADY, EDWIN S., B.S. 1909, *Economics*..... Orange, N. J.  
 BRANCH, SAMUEL JOSEPH, A.B. Lincoln 1902, A.M. 1905, B.D. Union

Theological 1907..... Farmville, Va.

- BRANDON, HENRY CLAY, A.B. Indiana 1902, A.M. 1905, *Psychology*... Daleville, Ind.
- BROWN, EPHINOR ADRADUS, Ph.B. De Pauw 1884, *Philosophy*... Sioux City, Ia.
- BRYANT, HELEN WINIFRED, A.B. Smith 1902, *English*... Brooklyn, N. Y.
- CARRIS, LEWIS HERBERT, B.L. Hobart 1898, *English*... Newark, N. J.
- COATES, EDNA MAWINE, A.B. Utah 1909, *Mathematics*... Salt Lake City, Utah
- COLBURN, MARY PEABODY, A.B. Smith 1904, *English*... New York City
- COLEMAN, JOHN GARTH, Ph.B. Hobart 1901, *Psychology*... Hoboken, N. J.
- CRAIG, ELEANOR W., A.B. 1908, *Biology*... Skaneateles, N. Y.
- DEWEY, E. GRACE, B.S. Wellesley 1893, *Mathematics*... Owosso, Mich.
- DREW, WILBERT SHEPARD, B.S. Michigan 1897, *Sociology*... New York City
- EATON, CLARA CECILIA, A.B. 1908, *Mathematics*... New York City
- ELLIOTT, ELIZABETH BEATTY, Ph.B. Colorado 1901, *English*... Monument, Colo.
- ELLIS, LUCY MAY, A.B. Woman's College 1908, *Sociology*... New York City
- EVERSON, ANNA EMMA, B.S. 1908, *Chemistry*... New York City
- FITZPATRICK, JOHN STEPHEN, A.B. Brooklyn Polytechnic 1908, *Psychology*... Brooklyn, N. Y.
- FLETCHER, MARY BERTHA, B.S. 1907, Ph.B. Franklin 1903, *Sociology*... Franklin, Ind.
- FLYNN, MRS. FLORENCE JAMES, A.B. Ohio State 1896, *Mathematics*... E. Orange, N. J.
- GARTLAN, EUGENE BERNARD, B.S. C. C. N. Y. 1898, LL.B. N. Y. U. 1900, New York City
- GIENGER, WATSON, A.B. Dickinson 1907... Hopewell, N. J.
- GIFFORD, WALTER JOHN, A.B. Oberlin 1907, *Psychology, English*... Wellington, Ohio
- GILLINGHAM, ANNA, A.B. Swarthmore 1900, A.B. Radcliffe 1901, *Psychology, Mathematics*... Atlantic City, N. J.
- GOLDBERGER, HENRY HAROLD, B.S. C. C. N. Y. 1898, LL.B. N. Y. U. 1900, *English*... New York City
- GOODRICH, MOSES FOSTER, B.S. Worcester Polytechnic 1893, *Sociology*... New York City
- GREENWOOD, DAISY GRACE, B.S. 1908, *Physical Education, Social Economy*... New York City
- GRIFFITH, HELEN, A.B. Bryn Mawr 1905, *English, Comparative Literature*... Minneapolis, Minn.
- GROSS, ABRAHAM, Ph.B. Western 1898, Ph.M. 1900, *Chemistry*... Pittsburgh, Pa.
- GUERNSEY, JESSIE ELIZABETH, B.S. 1909, *History*... New York City
- HAMILTON, JOHN M., B.S. National Normal 1889, A.B. 1893, *Psychology*... Lebanon, O.
- HANCE, WILLIAM, A.B. Yale 1902... New York City
- HAND, HELEN IRENE, A.B. Western Maryland 1909, *Latin*... Elizabeth, N. J.
- HARDER, ELFRIDA, A.B. 1909, *German*... Philadelphia, Pa.
- HAWKES, JULIA M., B.L. Carleton 1901, *Mathematics*... Waseka, Minn.
- HAYNES, ALICE FENTON, B.S. 1906, *English*... Jamestown, N. Y.
- HESS, WILLIAM LYNDON, B.L. Swarthmore 1901, *History*... Secaucus, N. Y.
- HILLS, WILLIAM FORREST, A.B. 1903... New York City
- HOFFMAN, MARK, B.S. C. C. N. Y. 1897, *English*... New York City
- HUNT, CHARLES WESLEY, A.B. Brown 1904, *Psychology, Sociology*... N. Charlestown, N. H.
- IRELAND, ELIZUR WARD, B.S. 1908, *History*... Unadilla, N. Y.
- JENNER, WILLIAM A., A.B. Syracuse 1890, *Latin*... New York City
- JONES, ULRIC R., Ph.B. Dickinson 1904, *Zoology, Botany*... Thompsonstown, Penn.
- KELLER, FRANKLIN JEFFERSON, B.S. C. C. N. Y. 1906, *English*... New York City
- KEYES, ALICE ESTELLE, Ph.B. Syracuse 1907, *History*... Windsor, N. Y.
- KIRBY, THOMAS JOSEPH, A.B. Indiana 1906, *Psychology*... Indianapolis, Ind.
- LEBOWICH, LEO, A.B. C. C. N. Y. 1904, *English*... Brooklyn, N. Y.
- LE COMTE, HAROLD, A.B. C. C. N. Y. 1904, *History*... New York City
- LEOPOLD, ISRAEL, A.B. C. C. N. Y. 1903, LL.B. N. Y. U. 1907... New York City
- LEWKOWITZ, SIDNEY, B.S. C. C. N. Y. 1906... New York City
- LUDWIG, AUGUSTUS, B.S. C. C. N. Y. 1897... New York City
- LUDWIG, AUGUSTUS, B.S. 1907, *Psychology*... Brooklyn, N. Y.
- LYLE, GEORGE, A.B. Howard 1909, *Sociology*... St. Louis, Mo.

- MACK, LURA MAY, A.B. Vassar 1905, *Physics*.....Watertown, N. Y.  
 MACLEAR, MARTHA, B.S. 1909, *Philosophy, History*.....Wilmington, Cl.  
 MARKEWICH, ISRAEL S., A.B. C. C. N. Y. 1904.....New York City  
 MEAD, ARTHUR RAYMOND, A.B. Miami 1909, *Psychology*.....Grelton, Ohio  
 MELVILLE, NORBERT JOHN, A.B. C. C. N. Y. 1904, *English*.....Deer Park, L. I.  
 MILLIKEN, EDWARD NORRIS, B.S. 1909, Massachusetts Institute of  
 Technology 1896, *Mathematics*.....New Bedford, Mass.  
 MORROW, ELIZABETH E., A.B. Mt. Union 1897.....Woodsfield, Ohio  
 NAGOURNEY, ISAAC.....New York City  
 NANTS, J. STANLEY, B.S. Valparaiso 1906, A.B. 1907, *Psychology*.....Paris, Tenn.  
 NEWMAN, LUCY ESTABROOK, A.B. Lincoln 1908, *Chemistry*.....Lincoln, Ill.  
 NOSKA, ELLIOT VALENTINE, B.S. C. C. N. Y. 1906.....New York City  
 O'GORMAN, JAMES MICHAEL, B.S. 1909, *Philosophy*.....Oswego, N. Y.  
 O'KERMAN, CLARE C., A.B. Washington 1907, *History*.....Koleen, Ind.  
 PALMER, STELLA, B.S. Alabama 1908, *Social Economy*.....Montevallo, Ala.  
 PANDYA, THAKARLAL RANCHODLAL, B.S. Baroda College, India, 1905,  
*Sociology*.....Baroda, India  
 PATTERSON, ALMA M., A.B. Leland Stanford, Jr., 1900, *English*.....San José, Calif.  
 PENFIELD, EDITH MARGARET, A.B. Oberlin 1898.....Oberlin, Ohio  
 PHIPPS, CHARLES FRANK, A.B. Wesleyan 1906, *Physical Science*.....Brooklyn, N. Y.  
 RAPP, PAUL L., A.B. 1909, *History, Public Law*.....New York City  
 REBACK, HERMAN W., B.S. C. C. N. Y. 1906, *English*.....New York City  
 ROBINSON, GERTRUDE MARY, A.B. St. Lawrence 1901,  
*History, Latin*.....Nunda, N. Y.  
 ROGERS, JULIET OAKES, B.S. 1909, *Household Arts*,  
*Social Economy*.....Carthage, N. Y.  
 ROTHOLZ, META, A.B. Woman's College 1907, *Mathematics*.....Baltimore, Md.  
 RUSHMORE, ELLEN R., A.B. 1903, *Sociology, Economics*.....Plainfield, N. J.  
 SALZANO, FRANCIS, B.S. 1909, *Mathematics, Astronomy*.....New York City  
 SAUNDERS, MRS. JESSIE CASSIDY, B.S. Cornell 1886, *Social Economy*.....New York City  
 SHARPLESS, EDITH FORSYTH, A.B. Bryn Mawr 1905, *History*.....Haverford, Pa.  
 SILL, ADA MORRELL, A.B. N. Y. N. C. 1900, A.M. N. Y. U. 1908.....New York City  
 SIMMONDS, LIONEL J., A.B. C. C. N. Y. 1903, *Psychology*.....New York City  
 SIMONS, LAO GENEORA, B.S. 1908, *Mathematics*.....New York City  
 SIMPSON, HOMER NELSON, A.B. Cornell 1909, *Geology*.....Poughkeepsie, N. Y.  
 SINGER, WILDY VICTOR, A.B. Franklin and Marshall 1903, *English*.....Dover, N. J.  
 SLAYMAKER, REBECCA JANE, B.S. 1909.....Lancaster, Pa.  
 SMITH, JAMES FYFFE, JR., A.B. C. C. N. Y. 1902, *Psychology*.....Brooklyn, N. Y.  
 SMITH, MARGUERITE, A.B. Vassar 1903, *Latin*.....Brooklyn, N. Y.  
 SMITH, WILLIAM T., A.B. St. Francis Xavier 1899, A.M. 1900, LL.B.  
 Brooklyn Law School 1908.....Brooklyn, N. Y.  
 STRADER, WILLIAM WELLER, B.S. 1909, *Mathematics*.....Stroudsburg, Pa.  
 SUFFERN, ARTHUR ELLIOTT, B.S. 1909, *Economics, History*.....Corning, N. Y.  
 TERRELL, HUBERT NELSON, A.B. Wesleyan 1902, *History*.....Dobbs Ferry, N. Y.  
 TĒWSBURY, EVERETT BELKNAP, A.B. Harvard 1899, *Music*.....New York City  
 THORNTON, JOSEPH F., A.B. Indiana 1888, *Psychology*.....Indianapolis, Ind.  
 TOAZ, ROBERT KENNEDY, A.B. Rochester 1893, *Psychology*.....Huntington, N. Y.  
 TREDICK, HELEN FOLSOM, A.B. Smith 1897, *Botany*.....Malden, Mass.  
 TROWBRIDGE, CORNELIA, B.S. Cornell 1899, *Chemistry*.....Brooklyn, N. Y.  
 VAN DAM, EMMANUEL FELIX, A.B. St. Francis Xavier 1902,  
*English*.....New Brighton, S. I.  
 WEBER, MARY E., A.B. Cincinnati 1907, *Psychology*.....New York City  
 WHEELER, CHARLES EVERETT, A.B. Middlebury 1900, *Psychology*.....Sidney, N. Y.  
 WHITE, WALTER CHARLES LEWIS, B.S. 1909.....Brooklyn, N. Y.  
 WILCOX, WINIFRED, B.S. 1907, *Sociology*.....Pelham, N. Y.  
 WYLIE, ELIZABETH RACHEL, B.S. 1909, *Sociology*.....Saginaw, Mich.

### Professional Students Candidates for the Bachelor's Degree and Diploma Seniors

ALEXANDER, REBECCA ( <i>English</i> )	New York City
ALLEN, ETHEL BUEL ( <i>History</i> )	Geneva, N. Y.
ARMSTRONG, LAURA JULIA ( <i>Domestic Art</i> )	New York City
AVERY, HARRIET ( <i>Physical Education</i> )	Niagara Falls, N. Y.
BABCOCK, RUTH ( <i>Kindergarten</i> )	Richmond Hill, N. Y.
BALDT, LAURA IRENE ( <i>Domestic Art</i> )	New York City
BARBER, FRANK WESTON ( <i>Elementary Supervision</i> )	Wilton, N. H.
BARISH, SAUL ( <i>German</i> )	New York City
BECKER, BERTHA M. ( <i>Domestic Science</i> )	New York City
BEEGLE, PORTER ( <i>Physical Education</i> )	Far Rockaway, L. I.
BEERS, ELLEN AMELIA ( <i>Domestic Science</i> )	New York City
BELLINGER, CENTENNIA CELIA ( <i>Elementary Teaching</i> )	Bryn Athyn, Pa.
BENITEZ, FRANCISCO ( <i>Elementary Teaching</i> )	Pagsanjan, Lag., P. I.
BIGLEY, ALPHA NORMA ( <i>Fine Arts</i> )	Knobnoster, Mo.
BOGARTE, MARTIN BRUCE ( <i>Mathematics</i> )	Valparaiso, Ind.
BORDEN, ELAINE A. ( <i>Fine Arts</i> )	Sackville, N. B., Can.
BORDEN, GLADYS ALLISON ( <i>Domestic Science</i> )	Sackville, N. B., Can.
BOSTWICK, SARA WELLS ( <i>Kindergarten</i> )	Brooklyn, N. Y.
BRALEY, JESSIE NELSON ( <i>Domestic Science</i> )	New Bedford, Mass.
BRANDON, HENRY CLAY ( <i>Manual Training</i> )	Daleville, Ind.
BREWER, MARGARET DRYDEN ( <i>Fine Arts</i> )	Chicago, Ill.
BROWN, NORMA M. ( <i>Domestic Science</i> )	Aberdeen, So. Dak.
BUEMMING, CHARLOTTE ADAMS ( <i>Domestic Art</i> )	Brooklyn, N. Y.
BURNHAM, MABEL TOWNE ( <i>English</i> )	Essex, Mass.
CHAPMAN, MAY MARGARET ( <i>History</i> )	Garrettsville, Ohio
CHATFIELD, GEORGE H. ( <i>Elementary Supervision</i> )	New York City
CHENEY, G. WALKLEY ( <i>Elementary Supervision</i> )	Yonkers, N. Y.
CHRISTIAN, MARY KATHERINE ( <i>Domestic Science</i> )	Fayette Co., Ky.
COLLINS, MARGARET BELLE ( <i>Domestic Art</i> )	Emporia, Kan.
CONKLIN, JEANNETTE ( <i>Mathematics</i> )	Columbia, Pa.
CORNISH, HUBERT RAY ( <i>Elementary Teaching</i> )	Camden, Mich.
CRONAN, FRANCES J. ( <i>Elementary Supervision</i> )	New York City
DANA, MARION B. ( <i>English</i> )	Muskegon, Mich.
DAVIS, HELEN LEE ( <i>Domestic Art</i> )	Moultonboro, N. H.
DECKER, ANNA S. ( <i>Domestic Art</i> )	Lowville, N. Y.
DEUTSCH, JULIA ( <i>History</i> )	New York City
DICKSON, GEORGE WENTWORTH ( <i>Elementary Supervision</i> )	Willimantic, Conn.
DODD, LILIAN ELIZABETH ( <i>Domestic Science</i> )	Raleigh, N. C.
DYER, MARGARET ( <i>Domestic Science</i> )	Cincinnati, Ohio
EDDY, ELISE SAVOYE ( <i>Mathematics</i> )	Bayonne, N. J.
EMERY, JULIA JORDAN ( <i>Physical Education</i> )	Kirkwood, Ga.
EZEKIELS, JEANNETTE ( <i>Kindergarten Supervision</i> )	New York City
FICKLEN, ELIZABETH ( <i>Domestic Science</i> )	New Orleans, La.
FINK, ETTA HART ( <i>Domestic Science</i> )	Brooklyn, N. Y.
** FINLAYSON, ALMA ( <i>Domestic Science</i> )	Charlottetown, Prince Edward Is., Can.
FLEISCHMAN, MARION R. ( <i>English</i> )	Albany, N. Y.
FONDA, ELIZABETH FLETCHER, ( <i>Manual Training</i> )	New York City
*FOREST, KATHERINE ( <i>Fine Arts</i> )	New York City
FRANCIS, CAROLYN LOUISE ( <i>Mathematics</i> )	Honeoye Falls, N. Y.
FRENCH, RUTH HAWTHORNE ( <i>Domestic Science</i> )	Nashua, N. H.
FRINK, MARGARET ( <i>Domestic Science</i> )	New York City

\* Diploma only.

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\*\* Degree only.



FURST, MARY LOUISE ( <i>Domestic Science</i> )	Yonkers, N. Y.
GADDIS, CAROLYN JOSEPHINE ( <i>Elementary Supervision</i> )	Jersey City, N. J.
GAMBIER, LOUISE MARC ( <i>French</i> )	New York City
GENIN, MARY JANE ( <i>Mathematics</i> )	Atlantic Highlands, N. J.
GLÜCK, EDITH HORTENSE ( <i>German</i> )	New York City
GOLDBERG, GEORGE ( <i>German</i> )	Brooklyn, N. Y.
GOLDSMITH, EVELYN MAY ( <i>Physical Education</i> )	Binghamton, N. Y.
GOODSELL, ANNE G. ( <i>English and History</i> )	New York City
GREENE, FLORENCE ETHEL ( <i>History</i> )	Jersey City, N. J.
GROSZMANN, WALDEMAR H. ( <i>Manual Training</i> )	Plainfield, N. J.
HACKETT, KATHLEEN	Kilkenny, Ireland.
**HALL, DELBERT E. ( <i>Elementary Education</i> )	Mills, Pa.
**HAMMOND, ANNA BINGHAM	New York City
HANDY, MARIAN ( <i>Primary Teaching</i> )	Pocomoke, Md.
HAWES, RUTH BELT ( <i>English</i> )	Charlottesville, Va.
HAZELTINE, KATHERINE S. ( <i>Domestic Science</i> )	San José, Calif.
HENDERSON, NATHALIE ( <i>Grammar Grades</i> )	New York City
HENDRIE, MABEL LOUISE ( <i>Fine Arts</i> )	Stamford, Conn.
HIDALGO, AUGUSTO ( <i>Manual Training</i> )	Manila, P. I.
HILL, ANTOINETTE DYETT ( <i>Mathematics</i> )	New York City
HILL, MAUDE CORNELIA ( <i>Domestic Art</i> )	Oswego, N. Y.
HOLMES, HILARY HERBERT ( <i>Elementary Supervision</i> )	Tensas, Ala.
HOWARD, ETHEL LOUISA ( <i>History</i> )	Farmington, Me.
HOWIE, HARDINIA BURNLEY ( <i>Fine Arts</i> )	New York City
HUBBARD, ALICE CLARK ( <i>Manual Training</i> )	New York City
IRVING, SYLVIA, ( <i>Elementary Supervision</i> )	Brooklyn, N. Y.
ISDELL, IDA M. ( <i>Kindergarten Supervision</i> )	Albany, N. Y.
JONES, MARY E. ( <i>Elementary Teaching</i> )	Newark, N. J.
KEMNA, CHARLOTTE ( <i>Domestic Art</i> )	Larchmont, N. Y.
LE ROY, ALBERT KING ( <i>Elementary Supervision</i> )	York, Pa.
KISSELL, MARY LOIS ( <i>Fine Arts</i> )	New York City
KLEIN, LEOPOLD ( <i>German</i> )	New York City
KOLBE, EVELYN DEWEY ( <i>English</i> )	New Rochelle, N. Y.
KREINER, LILLIAN MAY ( <i>English</i> )	Newark, N. J.
KUTNEWSKY, EDNA ( <i>Domestic Science</i> )	Redfield, S. D.
LEATHERMAN, JEANNETTE ( <i>Domestic Science</i> )	Pittsburgh, Pa.
LEGGETT, ANNA LEE ( <i>Domestic Science</i> )	New York City
LEIST, STELLA G. ( <i>Domestic Science</i> )	Norwood, Ohio
LE ROY, WALTER I. ( <i>Manual Training</i> )	Highland, N. Y.
LITTLEFIELD, ANNA ( <i>Physical Science</i> )	Chrisman, Ill.
LOVE, MAUD ELIZABETH ( <i>Fine Arts</i> )	Berkeley, Calif.
LUPOLD, HENRY SCHALE ( <i>Latin</i> )	Palmyra, N. Y.
McCLAIN, LOLA ( <i>History</i> )	Spartanburg, S. C.
McCLELLAND, META ( <i>Kindergarten</i> )	Dobbs Ferry, N. Y.
McCLENAGHAN, MARGUERITE ( <i>Latin</i> )	Jamesburg, N. Y.
McCORMICK, MYRTLE E. ( <i>English</i> )	Piedmont, Ohio
MacDONALD, ANNA L. ( <i>Fine Arts</i> )	San Diego, Calif.
McGOWIN, MARGARET ODELL ( <i>Domestic Arts</i> )	New York City
McILROY, SAMUEL HUGH ( <i>Elementary Supervision</i> )	Newark, N. J.
McKEOWN, MATILDA J. ( <i>Domestic Science</i> )	New York City
MAGEE, LETITIA LANE ( <i>Domestic Science</i> )	Los Angeles, Calif.
MANN, JEANNE ( <i>Domestic Science</i> )	Lock Haven, Pa.
MARKS, LAZARUS E. ( <i>English</i> )	New York City
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MAU, LAURA EMILIE ( <i>Primary Supervision</i> )	Young America, Minn.
MICKLE, ROBINA WEBB ( <i>English</i> )	Winston Salem, N. C.
MIDDLETON, FLORENCE ( <i>Biology</i> )	New York City
MILLIKIN, BRUCE E. ( <i>Elementary Supervision</i> )	Saginaw, Mich.
MINAHAN, MARY ELIZABETH ( <i>Domestic Science</i> )	Calumetville, Wis.
*MONTESER, MARION JULIA ( <i>German</i> )	Yonkers, N. Y.
MONTGOMERY, SARAH LOUISE ( <i>Psychology</i> )	Jeffersonville, Ind.
MORRIS, MARY FLORENCE ( <i>Physical Science</i> )	Cortland, N. Y.
MORRISSEY, ALICE ( <i>Physical Education</i> )	New York City
O'BRIEN, WILLIAM JOSEPH ( <i>Mathematics</i> )	Brooklyn, N. Y.
O'NEILL, HELEN WARNER ( <i>History</i> )	Belvidere, N. J.
OSIAS, CAMILO ( <i>Elementary Teaching</i> )	Balaoan, Union, Philippines
OTT, SUSANNAH ( <i>Domestic Science</i> )	Franklin, Ind.
OWENS, JULIA LOUISE ( <i>History and Latin</i> )	Ridgefield, Conn.
PALMER, CLARA ( <i>Domestic Science</i> )	Canaan, N. Y.
PARKER, ZELLA WINONA ( <i>English</i> )	Olathe, Kan.
PARSONS, ADELAIDE M. ( <i>Primary Supervision</i> )	New York City
PATTERSON, EVELYN L. ( <i>Domestic Science</i> )	Beaver, Pa.
PERKINS, JOSEPHINE ( <i>Domestic Science</i> )	Amsterdam, N. Y.
PHILLIPS, JULIA ( <i>Domestic Science</i> )	Goshen, N. Y.
PLANER, CLARA HELENE ( <i>German</i> )	Hoboken, N. J.
POTTS, LUCY EMMA ( <i>Primary Teaching</i> )	Bryn Athyn, Pa.
PRIBBLE, EVALIN ELIZABETH ( <i>Mathematics</i> )	Anoka, Minn.
PROCKNOW, CHARLOTTE S. ( <i>History</i> )	Meriden, Conn.
PRUITT, IDA ( <i>English</i> )	Chefoo, China
RACOUBIAN, ROUFEN STEPAN ( <i>Elementary Teaching</i> )	Swas, Turkey in Asia
REILLY, DOROTHY ( <i>German and History</i> )	Port Richmond, S. I.
RISSEY, RUBY ( <i>Physical Education</i> )	Blondinville, Ill.
ROACH, ETHEL MINERVA ( <i>Domestic Science</i> )	Akron, Ohio
ROBINSON, ANNIE L. ( <i>Domestic Art</i> )	Lansing, Mich.
ROBINSON, ETHEL ( <i>Kindergarten</i> )	New York City
ROBINSON, MARJORY ( <i>Kindergarten</i> )	New York City
SCHUMAKER, MARY VIOLA ( <i>Elementary Teaching</i> )	Kelly Station, Pa.
SCHWARTZ, ISADORE K. ( <i>German</i> )	New York City
SCHWARZ, HELEN ( <i>Fine Arts</i> )	New York City
SEELY, LOUISE H. ( <i>Biology</i> )	Jersey City, N. J.
SELEEN, ESTHER BEATHA ( <i>Domestic Art</i> )	Cheney, Wash.
SELLECK, ANNA ( <i>Fine Arts</i> )	Westport, Conn.
SHAFFNER, CAROLINE LISETTA ( <i>English</i> )	Winston Salem, N. C.
SHAW, ZOE C. ( <i>Elementary Supervision</i> )	Kalamazoo, Mich.
SIMMONS, MARGARET M. ( <i>Kindergarten</i> )	Brooklyn, N. Y.
SINCLAIR, MYRA ANNE ( <i>Kindergarten</i> )	Normal, Ill.
SINGER, EMMA ANNETTA ( <i>History</i> )	E. Stroudsburg, Pa.
SLOAN, MARGARET ADAMS ( <i>English</i> )	New York City
SMALL, JENNIE ( <i>Elementary Supervision</i> )	Kokomo, Ind.
SMART, ALICE M. ( <i>Elementary Supervision</i> )	New York City
SMITH, EDITH I. ( <i>Physical Education</i> )	New York City
SMITH, FRANK DRAKE ( <i>Physical Education</i> )	Brooklyn, N. Y.
SMITH, JULIET SHANNON ( <i>Kindergarten</i> )	Lee, Mass.
SNOOK, ESTHER L. ( <i>Domestic Science</i> )	Spencer, N. Y.
SPINING, HARRIET MONFORT ( <i>Elementary Teaching</i> )	So. Orange, N. J.
STARK, ELEANOR PARKER ( <i>English</i> )	New York City
STEELE, ELLEN ( <i>English</i> )	Portland, Conn.

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STEPHENS, STELLA MAY ( <i>Domestic Science</i> )	Crete, Neb.
STOWELL, WILLARD ALLEN ( <i>Biology</i> )	Trenton, N. J.
STUTZ, CLARA K. ( <i>German</i> )	Washington, D. C.
SULLIVAN, JULIE ( <i>Physical Education</i> )	New York City
SUTHERLAND, ISABEL ( <i>Domestic Science</i> )	Toronto, Can.
TIMBERLAKE, ELISE ( <i>English</i> )	Clinton, Miss.
TROTTIER, THEOPHILE ( <i>French</i> )	New York City
TUTTLE, MARY LOUISE ( <i>Domestic Science</i> )	Santa Barbara, Calif.
TYNDALL, GERTRUDE VAN AUKEN ( <i>Physical Science</i> )	Mt. Vernon, N. Y.
VAN SCHAICK, ANNE ( <i>Elementary Teaching</i> )	Sharon Springs, N. Y.
WAKEMAN, MAY EUGENIA ( <i>Elementary Teaching</i> )	Bridgeport, Conn.
WALKER, ISABEL FITCH ( <i>Domestic Science</i> )	Newton Center, Mass.
WALSH, GERTRUDE ( <i>Domestic Art</i> )	Columbus, O.
WARD, ELIZABETH HARRISON ( <i>Fine Arts</i> )	Oneonta, N. Y.
WARD, MABEL ( <i>Domestic Science</i> )	Hattiesburg, Miss.
WAYT, HAZEL IRENE ( <i>English</i> )	Astoria, L. I.
WEAVER, RAYMOND MELBOURNE ( <i>English</i> )	Baltimore, Md.
WEBSTER, SARAH ( <i>Manual Training</i> )	New York City
WEEKS, CURTIS P., ( <i>Mathematics</i> )	Corona, N. Y.
WEIL, JULIUS J. ( <i>Elementary Supervision</i> )	Chicago, Ill.
WHITCOMB, EMELINE STORM ( <i>Domestic Science</i> )	Chicago, Ill.
WIDMER, MARGARET M. ( <i>Fine Arts</i> )	Seattle, Wash.
WILBER, FLORA ( <i>Elementary Supervision</i> )	Fort Wayne, Ind.
WILDMAN, ALICE ( <i>Elementary Supervision</i> )	Tuscaloosa, Ala.
WILSON, ROBERTA PAULINE ( <i>Mathematics</i> )	Brooklyn, N. Y.
WOLL, FREDERICA. ( <i>Physical Education</i> )	New York City
WOOLICH, MATILDA ( <i>Mathematics</i> )	New York City
YOUNG, WILLIAM D. ( <i>Mathematics</i> )	Oneonta, N. Y.

### Juniors

ABELES, BEATRICE ( <i>French</i> )	New York City
ADAMS, ANNE ( <i>Domestic Science</i> )	Middleburg, Va.
ALPKE, ETHEL V. ( <i>History</i> )	New York City
ALLEN, AGNES C. ( <i>Music</i> )	New York City
ANDERSON, MARY FRANCES ( <i>Elementary Supervision</i> )	Hartford, Conn.
ARCHER, M. ANNIE ( <i>History</i> )	Philadelphia, Pa.
ATKINSON, LOUISE S. ( <i>Kindergarten Supervision</i> )	Brooklyn, N. Y.
AVENT, JOHN M. ( <i>Elementary Supervision</i> )	New York City
BACÓ, ISABEL ( <i>Physical Science</i> )	Mayaguez, Porto Rico
BAIRD, ROSE ADELE ( <i>Domestic Art</i> )	Ripley, N. Y.
BARMORE, BESSY ( <i>Primary Supervision</i> )	Fredonia, N. Y.
BATT, RAYMOND M. ( <i>Manual Training</i> )	N. Tonawanda, N. Y.
BAUMERT, CHRISTINE ( <i>Music</i> )	New York City
BENEDICT, M. ELIZABETH ( <i>Elementary Teaching</i> )	Plainfield, N. J.
BERTSCH, MARGUERITE ( <i>Fine Arts</i> )	New York City
BESANCON, BEATRICE E. ( <i>Mathematics</i> )	W. Hoboken, N. J.
BEST, INA ( <i>Elementary Teaching</i> )	Fargo, N. Dak.
BIDSTRUP, GERDA ( <i>Elementary Teaching</i> )	Brooklyn, N. Y.
BLAIR, ANNIE ( <i>History</i> )	Emporia, Kan.
BLANKENSTEIN, MARGARET ( <i>German</i> )	Rye, N. Y.
BOEHNCKE, GEORGE ( <i>Elementary Teaching</i> )	Los Angeles, Calif.
BONNARD, ANNETTE Y. ( <i>English</i> )	Passaic, N. J.
BONNARD, ELIZABETH ( <i>English</i> )	Passaic, N. J.
BOSTOCK, OLIVE ( <i>Primary Teaching</i> )	Bryn Athyn, Pa.
BRETT, ANNA ( <i>Secondary Teaching</i> )	Albany, N. Y.
BRETT, EDITH MARILLA ( <i>Secondary Teaching</i> )	Albany, N. Y.

BROWN, ALEX., M.D. ( <i>Physical Science</i> )	New York City
BROWN, EDITH H. ( <i>Latin</i> )	New York City
BUNCE, EDGAR F. ( <i>School Administration</i> )	Lodi, N. J.
BUSECK, LENA ( <i>German</i> )	Passaic, N. J.
BYRNE, MARY B. C., ( <i>English</i> )	Troy, N. Y.
CAFFREY, WILLIAM S. ( <i>Elementary Supervision</i> )	East Quogue, N. Y.
CARNEY, MABEL ( <i>Primary Supervision</i> )	Marseilles, Ill.
CASE, FANNIE L. ( <i>English</i> )	Rochester, N. Y.
CASKIN, IVANILLA MARIE ( <i>Domestic Science</i> )	Puyallup, Wash.
CHATFIELD, STELLA ( <i>English</i> )	Cornwall, N. Y.
CHRISTIANSON, ADDIE OLIVE ( <i>English</i> )	New York City
CHUTE, MARION HOYT ( <i>Fine Arts</i> )	Conway, Mass.
CLEMENTS, LAURA ELIZA ( <i>Mathematics</i> )	Liberty, N. Y.
COLBURN, ADA B. ( <i>Domestic Science</i> )	Oneonta, N. Y.
COLEMAN, IDA L. ( <i>Mathematics</i> )	New York City
COOKINGHAM, BERTHA ( <i>English</i> )	Red Hook, N. Y.
COOPER, CLARENCE GARFIELD ( <i>Elementary Teaching</i> )	Govans, Md.
COOPER, ISABEL S. ( <i>Physical Education</i> )	New York City
CRUMB, HAZEL ALICE ( <i>Physical Science</i> )	Forestville, Conn.
DAKIN, WILSON SHELDON ( <i>Elementary Teaching</i> )	Northampton, Mass.
DAVIDSON, MARY E. S. ( <i>Nature Study</i> )	Weehawken, N. J.
DAVIDSON, PHOEBE JANE ( <i>English</i> )	West Plains, Minn.
DAVIS, MAUD ALICE ( <i>Primary Supervision</i> )	Tacoma, Wash.
DAVIS, MINNIE LEE ( <i>Elementary Teaching</i> )	Baltimore, Md.
DAY, GRACE ALICE ( <i>Primary Supervision</i> )	Minneapolis, Minn.
DEPUY, GEORGE G. ( <i>Mathematics</i> )	Woodbourne, N. Y.
DICKEY, FRANCES M. ( <i>Music</i> )	Cedar Falls, Ia.
DINGMAN, JEANETTE CLYDE ( <i>Domestic Science</i> )	Spring Valley, N. Y.
DISCH, AMALIA ADALIA ( <i>History</i> )	Brooklyn, N. Y.
DONNELLY, ISABEL G. ( <i>Kindergarten Supervision</i> )	New York City
DOOCY, MARY ELISABETH ( <i>Domestic Science</i> )	Muskegon, Mich.
EATON, L. FRANC ( <i>Domestic Science</i> )	Honolulu, T. H.
EBNETH, THERESA M. ( <i>German</i> )	New York City
EELLS, IDA M. ( <i>Manual Training</i> )	Tacoma, Wash.
ENDERS, LEILA ( <i>Kindergarten</i> )	Ridgefield Park, N. J.
EVANS, MINNIE L. ( <i>English</i> )	Decatur, Ill.
FARRELL, CHARLOTTE DALY ( <i>English</i> )	Rahway, N. J.
FISBECK, FRANCES CHARLOTTE ( <i>Mathematics</i> )	Ridgefield Park, N. J.
FISHER, ANNE FULLER ( <i>Domestic Art</i> )	New York City
FORSSELL, ALVA ELVIRA ( <i>Secondary Teaching</i> )	West New Brighton, S. I.
FOX, KATHERYNE P., ( <i>Primary Teacher</i> )	E. Hartford, Conn.
FRALICK, OKEL PRICE ( <i>Manual Training</i> )	Oswego, N. Y.
FRENCH, LUCILE GRACE ( <i>Domestic Science</i> )	West Somerville, Mass.
GANNETT, ANNA J. ( <i>Primary Supervision</i> )	Syracuse, N. Y.
GARDNER, MARY L. ( <i>Elementary Teaching</i> )	Cleveland, O.
GARLICK, EDITH S. ( <i>Geography</i> )	Paterson, N. J.
GASTON, MABEL ( <i>Fine Arts</i> )	Somerville, N. J.
GATH, BERTHA ( <i>Elementary Supervision</i> )	Whitewater, Wis.
GAY, ELEANOR ( <i>Domestic Science</i> )	New York City
CESSFORD, MINNIE M. ( <i>English</i> )	Baltimore, Md.
GILBERT, TERRENCE WARD ( <i>Manual Training</i> )	Passaic, N. J.
GLASS, IRENE ELIZABETH ( <i>Music</i> )	E. Stroudsburg, Pa.
GLOVER, HARRIET M. ( <i>History</i> )	Dundee, N. Y.
GOLDSTEIN, GERTRUDE ( <i>German</i> )	Brooklyn, N. Y.
GOLDSTONE, MARION CLARA ( <i>English</i> )	New York City
GOLL, BERTHA C. ( <i>English</i> )	Brooklyn, N. Y.
GOLLUP, EUGENE MICHAEL ( <i>Elementary Teaching</i> )	New York City

GOROWITZ, BERTHA ( <i>German</i> )	New York City
GOWELL, PRUDENTIA BROWNE ( <i>Manual Training</i> )	Linwood, Kan.
GRAVES, SARA EDITH ( <i>Latin and English</i> )	Meyersdale, Pa.
GREENWOOD, DOROTHY ( <i>Mathematics</i> )	Passaic, N. J.
HAMEL, GEORGIANA ( <i>Geography</i> )	Newark, N. J.
HANSON, DAISY EVELYN ( <i>History</i> )	Mt. Vernon, N. Y.
HARDING, KATHERINE ( <i>German</i> )	Nicholson, Pa.
HAWK, CAROLYN B. ( <i>English</i> )	Bloombsbury, N. J.
HAZEN, BESSIE E. ( <i>Fine Arts</i> )	Pasadena, Calif.
HERMANN, HATTIE ( <i>Mathematics</i> )	New York City
HICKS, BESSIE M. ( <i>Elementary Teaching</i> )	Allegan, Mich.
HIGGINS, MARY ( <i>History</i> )	Philadelphia, Pa.
HOFFMANN, CHARLES J., JR. ( <i>English</i> )	New York City
HOFFMANN, GRACE LOUISE ( <i>Fine Arts</i> )	New Rochelle, N. Y.
HOFFMAN, HARRIET E. ( <i>Grammar Grades</i> )	Deposit, N. Y.
HOGAN, MARGARET R. ( <i>Manual Training</i> )	New York City
HOOPER, W. HENRY ( <i>Physical Education</i> )	Gorham, Maine
HUNTER, FRANCES BEATRICE ( <i>Domestic Art</i> )	New York City
HUYSSOON, MAGDALENA ( <i>Primary Supervision</i> )	Paterson, N. J.
JACOBSON, SADIE LILA ( <i>Domestic Art</i> )	New York City
JOFFÉ, BETTY ( <i>German</i> )	New York City
JOHNSON, LEILA ( <i>Manual Training</i> )	Marion, S. C.
JOHNSTON, IDA ESTELLE ( <i>History</i> )	Apollo, Pa.
JUSTI, KATHARINE TERESA ( <i>Fine Arts</i> )	Highland Park, Ill.
KEARNEY, LEO IGNATIUS ( <i>Elementary Supervision</i> )	New York City
KENNEDY, PAUL A. ( <i>Elementary Teaching</i> )	Brooklyn, N. Y.
KENYON, EDNA LA PEARL ( <i>History</i> )	Utica, N. Y.
KIRKPATRICK, T. BRUCE ( <i>Physical Education</i> )	New York City
KOCH, MERLE I. ( <i>English</i> )	St. Clair, Pa.
KOEHLE, BERTHA KATRINA ( <i>Kindergarten Supervision</i> )	Angola, N. Y.
KUCK, HELEN ELIZABETH ( <i>Domestic Science</i> )	Syracuse, N. Y.
LADD, MARGARET I. ( <i>Physical Education</i> )	New York City
LANE, ABIGAIL ( <i>Kindergarten</i> )	Englewood, N. J.
LANGE, ELIZABETH C. ( <i>Domestic Science</i> )	Muskegon, Mich.
LANGFORD, JOHN ( <i>History</i> )	New Rochelle, N. Y.
LANGFORD, MARIAN MURRAY ( <i>Primary Teaching</i> )	New York City
LANNING, IRENE MAY ( <i>Kindergarten Supervision</i> )	Cuba, N. Y.
LA QUOY, WILLIAM ERNEST ( <i>Manual Training</i> )	Bloomfield, N. J.
LELAND, ANNA ( <i>Domestic Art</i> )	Los Angeles, Calif.
LELAND, RAY LAUDER ( <i>History</i> )	Duluth, Minn.
LEONARD, CAROLINE ( <i>History</i> )	Bayonne, N. J.
LEVIN, MIGNON ( <i>Elementary Supervision</i> )	Baltimore, Md.
LONGENECKER, ANNA B. ( <i>History</i> )	Brooklyn, N. Y.
LOWRY, ETHELWYN A. ( <i>Fine Arts</i> )	St. Paul, Minn.
MCLANE, MAY ( <i>Elementary Teaching</i> )	Mt. Vernon, O.
MCLAUGHLIN, MARY GRACE ( <i>Elementary Supervision</i> )	Apollo, Pa.
MACPHERSON, ELIZABETH CORDELIA ( <i>Physical Education</i> )	Trenton, N. J.
MCVEY, FLORENCE MABEL ( <i>Primary Supervision</i> )	Adams, Mass.
MACDOUGALL, ELISABETH ( <i>Domestic Science</i> )	N. Adams, Mass.
MAHLER, ANNA B. ( <i>German</i> )	New York City
MANFUL, HARRIET ( <i>Physical Education</i> )	Cedar Falls, Ia.
MANN, CLARA FITZ-GERALD ( <i>History</i> )	Groveland, N. Y.
MARSHALL, JOSEPHINE ( <i>Domestic Science</i> )	Philadelphia, Pa.
MATIZENZO, CARLOTA DE ( <i>Elementary Teaching</i> )	Ponce, Porto Rico
MAWGHAN, ELIZABETH ( <i>Domestic Science</i> )	Mendon, Utah
MAYERS, LENA ( <i>History</i> )	New York City
MAYNARD, EMMA L. ( <i>Latin</i> )	Potsdam, N. Y.



MESSENGER, WILFRIDA JANE ( <i>Latin</i> )	New York City
MICHAELSON, KLARA M. ( <i>Elementary Supervision</i> )	Minneapolis, Minn.
MILLER, CLARA G. ( <i>Domestic Science</i> )	New York City
MILLER, ELIZABETH ( <i>Geography</i> )	New York City
MILLER, ISIDORE ( <i>English</i> )	Roxbury, N. Y.
MOMBERT, ANNE THEODORA ( <i>German</i> )	Paterson, N. J.
MOON, ALLEEN ( <i>English</i> )	Kissimmee, Fla.
MOORE, ANNIE EGERTON ( <i>Elementary Supervision</i> )	Louisville, Ky.
MOORE, LEILA GERTRUDE ( <i>Elementary Teaching</i> )	Montgomery, Ala.
MORRIS, EDITH ST. JOHN ( <i>German</i> )	Piermont, N. Y.
MORRISON, CAROLYN ELIZABETH ( <i>Elementary Teaching</i> )	South Orange, N. J.
MORROW, HARVEY M. ( <i>Elementary Teaching</i> )	Plantersville, Ala.
MUSA, AUGUSTINA ( <i>Elementary Teaching</i> )	New York City
NEVILLE, ELEANOR S. ( <i>English</i> )	Lindenhurst, L. I.
NEWBURY, MAUD C. ( <i>English</i> )	Woodford, Md.
NICHOLAS, ALICE V. A. ( <i>Mathematics</i> )	New York City
NICHOLS, EDITH ( <i>History</i> )	Brooklyn, N. Y.
NUTTALL, LEONARD JOHN ( <i>Elementary Supervision</i> )	Provo, Utah
O'BRIEN, NELL ( <i>Elementary Supervision</i> )	San José, Calif.
O'CONNELL, ANNA AURELIA ( <i>Mathematics</i> )	New Richmond, Wis.
OLD, ANNA VALERIA ( <i>Kindergarten</i> )	Montclair, N. J.
OSWELL, KATHARINE ( <i>English</i> )	New York City
PAASHAUSE, LOUISE F. ( <i>German</i> )	Elizabeth, N. J.
PALMER, ALICE F. ( <i>History</i> )	New York City
PARKHURST, JESSIE ESTELLE ( <i>Elementary Teaching</i> )	New York City
PATTERSON, MARTHA ( <i>Primary Supervision</i> )	Normal, Ill.
PAUL, ELSA M. ( <i>Grammar Grades</i> )	New York City
PELTON, CLAIRE N. ( <i>Elementary Supervision</i> )	Paterson, N. J.
PETTI, WALTER WILLIAM ( <i>History</i> )	Fredonia, N. Y.
POLAND, ETHEL ELIZABETH ( <i>Kindergarten</i> )	Newark, N. J.
POMEROY, GLADYS ( <i>Biology</i> )	Newark, N. J.
POWELL, NANCY HUFF ( <i>Latin</i> )	Woodview, Va.
PRENDERGAST, MARY ( <i>Supervision Domestic Art</i> )	Fort Collins, Colo.
RANGER, EDNA ( <i>Elementary Teaching</i> )	New York City
REED, MARY M. ( <i>Elementary Supervision</i> )	Paterson, N. J.
REEVE, BEULAH IRENE ( <i>English</i> )	Mattituck, N. Y.
RENTSCHLER, GUY H. ( <i>Physical Science</i> )	Dunellen, N. J.
RICH, GRACE ELLINGWOOD ( <i>Fine Arts</i> )	Binghamton, N. Y.
RICHTER, ANNA C. ( <i>German</i> )	Bayonne, N. J.
RITT, HAROLD L. ( <i>English</i> )	Brooklyn, N. Y.
RIVERS, MABEL ( <i>English</i> )	Meridian, Miss.
ROBERTSON, ISABELLE ( <i>English</i> )	Paterson, N. J.
RUSSELL, CONSTANCE MARGARET ( <i>Elementary Teaching</i> )	Cooperstown, N. Y.
RUSSELL, MARY G. ( <i>Mathematics</i> )	New York City
SCHNEIDER, EMILIE ( <i>German</i> )	Meriden, Conn.
SCHWARTZ, VIRGINIA M. ( <i>German</i> )	Saratoga Springs, N. Y.
SEVATSON, CARRIE ( <i>Primary Supervision</i> )	Minneapolis, Minn.
SHAVER, MARY LOCHER ( <i>Fine Arts</i> )	Baltimore, Md.
SIEGRIST, MARY ( <i>English</i> )	Lebanon, Pa.
SIMONDS, EVA LAURA ( <i>English</i> )	Newark, N. J.
SMITH, BESSIE G. ( <i>Kindergarten</i> )	East Orange, N. J.
SMITH, HELEN ( <i>Domestic Science</i> )	New York City
SMITH, J. GERTRUDE ( <i>Primary Supervision</i> )	Rochester, N. Y.
SMITH, MARY GOODWIN ( <i>English</i> )	Danville, Va.
SMITH, MIRIAM ( <i>English</i> )	Middleburg, Pa.
SMITHEY, NELLIE C. ( <i>Mathematics</i> )	Ashland, Va.



SNODDY, ESTHER KING ( <i>Latin</i> )	Newport, Tenn.
SNYDER, ANNA E. ( <i>Secondary Education</i> )	Emporia, Kan.
STANTON, DAISY L. ( <i>Mathematics</i> )	Brooklyn, N. Y.
STANTON, WM. HENRY ( <i>Elementary Supervision</i> )	Brooklyn, N. Y.
STEWART, ELEANOR GRACE ( <i>Biology and Nature Study</i> )	Pittsburgh, Pa.
STEWART, JEANIE ( <i>Mathematics</i> )	New York City
STEWART, JEAN J. ( <i>Domestic Science</i> )	Youngstown, Ohio
STRATTON, ALICE ( <i>Fine Arts</i> )	Minneapolis, Minn.
SWORDS, SARAH LILLIAN ( <i>Geography</i> )	New York City
TAYLOR, HELEN ( <i>History</i> )	New York City
THOMAS, ALICE LILLIAN ( <i>Domestic Science</i> )	Conneaut Lake, Pa.
THOMAS, FRIDA ( <i>Domestic Art</i> )	Jeffersonville, Va.
THOMAS, LULA ELLA ( <i>English</i> )	Baltimore, Md.
THOMAS, LUCY A. ( <i>Domestic Art</i> )	Edwards, Ill.
THOMPSON, MARION KENDALL ( <i>History</i> )	Brooklyn, N. Y.
THOMPSON, NATALIE ( <i>Fine Arts</i> )	Brooklyn, N. Y.
THRUSH, EARL BLAIR ( <i>History</i> )	Shippensburg, Pa.
TIFFANY, EDNA P. ( <i>Kindergarten</i> )	Nicholson, Pa.
TOPPING, HELEN FAVILLE ( <i>Kindergarten</i> )	Morioka, Japan
TREAT, DOROTHY H. ( <i>Physical Education</i> )	New York City
TREAT, MARJORIE K. ( <i>Physical Education</i> )	New York City
TRILLING, FLORENCE ( <i>Domestic Art</i> )	Clarksville, Tex.
TSAO, FANNG-YMIE ( <i>Biology</i> )	Shanghai, China
VAIL, EDNA ( <i>Primary Teaching</i> )	Hamden, N. Y.
VAN ARSDALE, FANNIE ARNOLD ( <i>Domestic Science</i> )	Mt. Vernon, N. Y.
VAN DUSEN, LUELLA DE ETTA ( <i>Mathematics</i> )	Wells Bridge, N. Y.
VERNILYA, MABEL ( <i>Mathematics</i> )	New York City
VON BAUER, ALICE J. ( <i>Latin</i> )	New York City
WADSWORTH, IDA CAROL ( <i>Domestic Science</i> )	Grand Junction, Colo.
WARDELL, SAMUEL EDWIN, ( <i>Manual Training</i> )	Orange, N. J.
WATSON, SARAH ( <i>History</i> )	Ridge Spring, S. C.
WEHLE, HANNA ( <i>Elementary Teaching</i> )	New York City
WEINTROB, RALEIGH ( <i>Elementary Supervision</i> )	Atlantic City, N. J.
WELLES, LOUISE M.	New Britain, Conn.
WEST, MABEL L. ( <i>Primary Supervision</i> )	Milton Jct., Wis.
WILEY, ELISE ( <i>Mathematics</i> )	New York City
WILFORD, MARY GERTRUDE ( <i>Latin</i> )	New York City
WILHELM, LEILA MAUDE ( <i>Kindergarten Supervision</i> )	Marietta, Ohio.
WILLARD, EDA GERTRUDE ( <i>English</i> )	Strong, Me.
WILLIAMS, GRACE IRENE ( <i>Domestic Science</i> )	Middleport, N. Y.
WILLIAMS, WILLIAM R., ( <i>Elementary Supervision</i> )	Hastings on Hudson, N. Y.
WILSON, JOHN R. ( <i>Elementary Teaching</i> )	Paterson, N. J.
WILSON, WILBUR THOMAS ( <i>Physical Science</i> )	New York City
WINANS, MAY RUTH ( <i>Fine Arts</i> )	Binghamton, N. Y.
WITTER, ROSA K. ( <i>English</i> )	New York City
YOAKLEY IRA ( <i>Physical Science</i> )	Johnson City, Tenn.
ZENNECK, EMMA ( <i>English</i> )	Weehawken, N. J.
ZIFFEL, LENA M. ( <i>Mathematics</i> )	New York City

### Candidates for Special Diploma or Certificate

#### SECOND YEAR

ALEXANDER, SARA S. ( <i>Domestic Art</i> )	New York City
AUERBACH, RACHEL ( <i>Domestic Art</i> )	New York City
BALDWIN, C. ISABEL ( <i>Domestic Science</i> )	Jacksonville, Ill.
BARNES, SUSIE R. ( <i>Kindergarten</i> )	Chatham Hill, Va.

BARNUM, ANNA HARTWELL ( <i>Hospital Economics</i> )	New York City
BARRINGER, ANNA MARIA ( <i>Fine Arts</i> )	Blacksburg, Va.
BAXTER, EMILY PRISCILLA ( <i>Kindergarten</i> )	Highwood, N. J.
BENNETT, LILLIAN M. ( <i>Domestic Science</i> )	E. Stroudsburg, Pa.
BLUMENTHAL, IDA ( <i>Domestic Art</i> )	New York City
BRIGHT, MARGUERITE S. ( <i>Kindergarten</i> )	Hazleton, Pa.
BROWN, CORINNE ( <i>Kindergarten Supervision</i> )	La Grange, Ill.
BRUNEL, BLANCHE EUGENIE ( <i>Primary Teaching</i> )	New York City
BRYAN, EDWARD H. ( <i>Elementary Supervision</i> )	Maywood, N. J.
BURGIN, MARIAN WILDER ( <i>Physical Education</i> )	New York City
BUSCHMANN, FRANCES EMMA ( <i>Domestic Art</i> )	Indianapolis, Ind.
BUTLER, HELEN ( <i>Physical Education</i> )	New York City
BUTLER, MARIE ( <i>Kindergarten</i> )	New York City
BYNON, HANNAH CATHARINA ( <i>Fine Arts</i> )	San Francisco, Calif.
CAHILL, MARY FLORENCE ( <i>Fine Arts</i> )	New York City
CHAMBERLAIN, ARDELLA S. ( <i>Fine Arts</i> )	Montclair, N. J.
COLEMAN, KATHERINE ROSAMOND ( <i>Domestic Science</i> )	New York City
CONEY, SYLVIA TIRRELL ( <i>Domestic Science</i> )	Orange, N. J.
COOKE, JULIETTE ANNIS ( <i>Domestic Science</i> )	Honolulu, T. H.
CORNISH, ADELINE ( <i>Primary Supervision</i> )	River Falls, Wis.
CORSER, JEAN ( <i>Fine Arts</i> )	Minneapolis, Minn.
CRESSEY, ELIZABETH MAUDE ( <i>Fine Arts</i> )	Newark, N. J.
CRISTY, ELIZABETH ( <i>Manual Training</i> )	New York City
CROPSBY, FRANCES BERGEN ( <i>Domestic Science</i> )	Brooklyn, N. Y.
DAVIDSON, GERTRUDE ( <i>Fine Arts</i> )	Princeton, Ind.
DISMUKES, MARGARET ( <i>Domestic Science</i> )	Nashville, Tenn.
DONELSON, ETHEL MARIA ( <i>Fine Arts</i> )	Muskegon, Mich.
DUVALL, MARY MORSELL ( <i>Fine Arts</i> )	Washington, D. C.
ELDRIDGE, EDNA A. ( <i>Kindergarten</i> )	Brooklyn, Pa.
FOSTER, BAILEY BANCROFT ( <i>Physical Education</i> )	Brooklyn, N. Y.
FRAYSER, MARY E. ( <i>Domestic Science</i> )	Richmond, Va.
FREAR, FLORENCE DODGE ( <i>Domestic Art</i> )	New York City
FROST, EDITH EMILY ( <i>Manual Training</i> )	Kenilworth, N. J.
HAESSLER, ANNA MARGARET ( <i>Domestic Science</i> )	Milwaukee, Wis.
HALCY, GRACE M. ( <i>Music</i> )	New York City
HALL, ELIZA P. ( <i>Domestic Art</i> )	Dayton, Ohio
HARRIS, RUTH GREEN ( <i>Fine Arts</i> )	New York City
HAYES, MAUD ELLEN ( <i>Domestic Science</i> )	New York City
HEAL, FLORENCE A. ( <i>Fine Arts</i> )	Oakfield, N. Y.
HILLER, EUNICE GALE ( <i>Fine Arts</i> )	Santa Barbara, Calif.
HILLS, HELEN P. ( <i>Fine Arts</i> )	Torrington, Conn.
HOPSON, DOROTHY SLADE ( <i>Kindergarten</i> )	Bridgeport, Conn.
KELLEY, MARY ROSS ( <i>Fine Arts</i> )	Yarmouth, Nova Scotia
KEMMER, FLORENCE E. ( <i>Domestic Science</i> )	Yonkers, N. Y.
KIERAN, MARGARET AGNES ( <i>Domestic Art</i> )	New York City
KOLB, ANNE PORTER ( <i>Physical Education</i> )	Birmingham, Ala.
KRAUS, HELEN E. ( <i>Physical Education</i> )	Slatington, Pa.
KURTZ, ALICE T. ( <i>Hospital Economics</i> )	New York City
LANE, FLORENCE M. ( <i>Fine Arts</i> )	Brooklyn, N. Y.
LATHROP, ELIZABETH ( <i>Manual Training and Domestic Art</i> )	Dorset, Vt.
LOGAN, AMY L. ( <i>Domestic Science</i> )	New York City
LOMBARD, LOUISE AYRES ( <i>Domestic Science</i> )	Bronxville, N. Y.
LOWREY, MIRIAM S. ( <i>Kindergarten</i> )	New York City
MCCARTY, MARGARET MYATT ( <i>Domestic Science</i> )	South Haven, Mich.
McKENNA, MARY C. ( <i>Hospital Economics</i> )	Waltham, Mass.
MARSHALL, MAY ( <i>Primary Teaching</i> )	New York City

MILLER, JOSEPHINE ( <i>Primary Supervision</i> )	Pottstown, Pa.
MILLER, MARY C., ( <i>Domestic Art</i> )	Pottstown, Pa.
MITCHELL, IRENE THEODORA ( <i>Kindergarten</i> )	Boonton, N. J.
MURRAY, JULIA W. ( <i>Fine Arts</i> )	Los Angeles, Calif.
OPPERMANN, GERTRUDE ( <i>Kindergarten Supervision</i> )	Michigan City, Ind.
PARMENTER, HELEN C. ( <i>Fine Arts</i> )	Fulton, N. J.
PHELPS, C. GERTRUDE ( <i>Primary Teaching</i> )	Hornell, N. Y.
POWELL, LOUISE M. ( <i>Hospital Economics</i> )	Staunton, Va.
RAPHAEL, SAMUEL S. ( <i>Fine Arts</i> )	New Haven, Conn.
RIES, HENRY R. ( <i>Manual Training</i> )	Hazleton, Pa.
ROBBINS, SUE ( <i>Domestic Art</i> )	Lexington, N. C.
ROBERTS, EVA ( <i>Household Administration</i> )	Nashville, Tenn.
RODMAN, ELIZABETH S. ( <i>Kindergarten</i> )	So. Orange, N. J.
ROLING, LENA GERTRUDE ( <i>Primary Supervision</i> )	Columbus, Ohio
SACKETT, CLARA B. ( <i>Elementary Supervision</i> )	Somerville, Mass.
SAMETH, BLANCHE ( <i>Domestic Science</i> )	Perth Amboy, N. J.
SAULSBURY, AMANDA DOUGLAS ( <i>Kindergarten Supervision</i> )	Ridgeby, Md.
SCHWABLE, BERTHA ELIZABETH ( <i>Kindergarten Supervision</i> )	Greenville, Ohio
SEYMOUR, SARA ( <i>Fine Arts</i> )	Newark, Ohio
SHAW, JESSIE C. ( <i>Fine Arts</i> )	Honolulu, T. H.
SHEDD, CORNELIA BLAKE ( <i>Manual Training</i> )	New York City
SIMONDS, HELENA MARY ( <i>Domestic Art</i> )	Burlington, Vt.
SIMPSON, J. OLIVE ( <i>Kindergarten</i> )	Mt. Vernon, N. Y.
SKINNER, ANNIE BAILEY ( <i>Fine Arts</i> )	Fredonia, N. Y.
SLEFFEL, KATHERINE ( <i>Fine Arts</i> )	New York City
SLY, GERTRUDE ( <i>Domestic Art</i> )	Warwick, N. Y.
STAGE, JENNIE M. ( <i>Physical Education</i> )	Middletown, N. Y.
STEINIGER, ALMA BELLE ( <i>Domestic Art</i> )	New York City
STILES, M. MARGARET ( <i>Domestic Science</i> )	Columbus, Wis.
STRAFER, ELINOR M. ( <i>Fine Arts</i> )	Cincinnati, Ohio
SUMMER, BEATRICE ( <i>Kindergarten</i> )	Akron, Ohio
SUNDERLAND, ETHEL GERTRUDE ( <i>Domestic Science</i> )	Cleveland, Ohio
SURDAM, MILDRED JEAN ( <i>Kindergarten Supervision</i> )	Waverly, N. Y.
TOWNSEND, CORNELIA ( <i>Primary Supervision</i> )	New York City
VAUGHAN, SAMUEL A. ( <i>Fine Arts</i> )	Louisville, Ky.
WEBB, ETHEL GLADYS ( <i>Domestic Art</i> )	Franklin, Ind.
WEIMER, CORABEL ( <i>Domestic Science</i> )	Grand Rapids, Mich.
WELTY, EDITH MABEL ( <i>Domestic Art</i> )	Cerro Gordo, Ill.
WERTZ, ZITELLA B. ( <i>Domestic Science</i> )	Johnstown, Pa.
WESTON, MARION DODGE ( <i>Nature Study</i> )	Georgetown, Mass.
WILE, HELEN ( <i>Kindergarten Supervision</i> )	Rochester, N. Y.
WILKINSON, SARAH ( <i>Elementary Supervision</i> )	Minneapolis, Minn.
WILLIS, MARY CATHERN ( <i>Domestic Science</i> )	New York City
WILLITS, LOUIE KOOSER ( <i>Domestic Art</i> )	Pasadena, Calif.
WISE, HELENE GRAFF ( <i>Primary Supervision</i> )	Nashville, Tenn.
WOODS, MARY ( <i>Manual Training</i> )	Brooklyn, N. Y.

## FIRST YEAR

ADAMS, VIVIAN ROSS ( <i>Primary Supervision</i> )	Sound Beach, Conn.
ANGELL, DAISY B. ( <i>Domestic Science</i> )	So. Corinth, N. Y.
ATKINSON, EULA D. ( <i>Primary Supervision</i> )	Montgomery, Ala.
BABCOCK, LEE ROY ( <i>Manual Training</i> )	Alden, N. Y.
BACKUS, EMMA E. ( <i>Domestic Art</i> )	Toledo, Ohio
BATTERMAN, MAY J. ( <i>Kindergarten</i> )	
BARNES, NANCY LUCILLE ( <i>Kindergarten</i> )	Chatham Hill, Va.
BLATZ, ELIZABETH CAROLYN ( <i>Domestic Science</i> )	Elizabeth, N. J.

BRADISH, ETHELWYN C. ( <i>Fine Arts</i> )	Springfield, Ill.
BRAY, CORINNE BEATRICE ( <i>Domestic Science</i> )	Boonton, N. J.
BR JWN, ELIZABETH KIRKBRIDE ( <i>Elementary Teaching</i> )	Germantown, Pa.
BURGESS, ELIZABETH CHAMBERLAIN ( <i>Hospital Economics</i> )	New Haven, Conn.
BURGESS, MARY E. ( <i>Household Administration</i> )	Vienna, Ontario, Can.
BURNITE, MARY ANAH ( <i>Domestic Science</i> )	Newark, N. J.
BURNS, FANNIE ( <i>Domestic Science</i> )	Pima, Ariz.
CALLAN, EMMA ( <i>Domestic Science</i> )	Muskegon, Mich.
CHASE, ADA M. P. ( <i>Fine Arts</i> )	So. Pasadena, Calif.
CHENEY, MARTHA D. ( <i>Household Administration</i> )	Anchorage, Ky.
CIRINO, ANTONIO ( <i>Manual Training</i> )	Providence, R. I.
COATES, SADIE ADELINE ( <i>Domestic Science</i> )	Salt Lake City, Utah
COLEMAN, LUELLA I. ( <i>Domestic Science</i> )	Spokane, Wash.
COLLINS, M. ROSE ( <i>Fine Arts</i> )	New York City
COLLINS, MARY SUSAN ( <i>Fine Arts</i> )	Bay City, Mich.
CONNERS, MARY F. ( <i>Domestic Science</i> )	Trenton, N. J.
COVEY, FRANK HOWARD ( <i>Manual Training</i> )	Thomaston, L. I.
CRANDALL, MARGARET ( <i>Domestic Art</i> )	New York City
DECKER, SUZETTE ( <i>Music</i> )	Delavan, Wis.
DICKEY, ALTA VERONA ( <i>Domestic Art</i> )	Montclair, N. J.
DUNHAM, HELEN ( <i>Domestic Science</i> )	Fort Erie, Ontario
EAKINS, MARTHA ST. J. ( <i>Hospital Economics</i> )	Flushing, N. Y.
EATON, DOROTHY ( <i>Kindergarten</i> )	Chihuahua, Mexico
ELDRIDGE, GRATIA WINTHROP ( <i>Physical Education</i> )	Vineyard Haven, Mass.
ELLIS, EDMONIA COLTON ( <i>Domestic Art</i> )	New York City
EVANS, IDA ( <i>Primary Supervision</i> )	Coffeyville, Kan.
FERGUSON, MARY LYDIA ( <i>Domestic Science</i> )	Burlington, Vt.
FISCHER, CAROLINE ( <i>Fine Arts</i> )	Berkeley, Calif.
FORTNEY, MABEL WINIFRED ( <i>Domestic Art</i> )	Tyrone, Pa.
FRANTZ, BERTIE HAMILTON ( <i>Physical Education</i> )	New York City
FRY, CLARA BELLE ( <i>Fine Arts</i> )	Bath Beach, N. Y.
GAUGHAN, SARAH ( <i>Domestic Science</i> )	St. Paul, Minn.
GIBSON, MARGARET JANE ( <i>Domestic Science</i> )	Weehawken, N. J.
GILBERT, CAROLINE ( <i>Fine Arts</i> )	St. Paul, Minn.
GLEASON, HELEN ( <i>Domestic Art</i> )	Kansas City, Mo.
GLEASON, JULIA ( <i>Domestic Art</i> )	Kansas City, Mo.
GODFREY, VERA MAY ( <i>Domestic Science</i> )	New York City
GOLDSMITH, CLARENCE ( <i>Manual Training</i> )	Newburgh, N. Y.
GOOLD, LUELLA LAUGHTON ( <i>Hospital Economics</i> )	Milwaukee, Ore.
GREEN, MARIA CONCHITA ( <i>Kindergarten</i> )	Chihuahua, Mexico
GREENBERG, DAVID S. ( <i>Fine Arts</i> )	Jamaica, N. Y.
HAARER, MARY CATHRINE ( <i>Hospital Economics</i> )	New York City
HANCHETT, ELSIE B. ( <i>Fine Arts</i> )	Big Rapids, Mich.
HANSON, FLOY K. ( <i>Fine Arts</i> )	Memphis, Tenn.
HANSON, THERESA ( <i>Elementary Teaching</i> )	Mamaroneck, N. Y.
HARRIS, LOTTIE ( <i>Domestic Science</i> )	Provo, Utah
HART, CAROL REEVES ( <i>Kindergarten</i> )	Stamford, Conn.
HASLER, EDITH B. ( <i>Kindergarten</i> )	London, England
HASTINGS, ELSIE MARY ( <i>Fine Arts</i> )	New York City
HAVENS, GERTRUDE ( <i>Fine Arts</i> )	Red Hook, N. Y.
HIGHT, FLORENCE ( <i>Manual Training</i> )	New York City
HILL, HELEN GRANT ( <i>Domestic Science</i> )	Haverhill, Mass.
HINMAN, OLIVE MAY ( <i>Fine Arts</i> )	Knoxville, Tenn.
HITCHCOCK, KATHARINE MONELL ( <i>Domestic Art</i> )	Utica, N. Y.
HOLLIDAY, HELEN TAYLOR ( <i>Hospital Economics</i> )	Winchester, Va.
HULL, MARGARET CRAIG ( <i>Domestic Science</i> )	Salt Lake City, Utah



HUMFELD, NETTIE B. ( <i>Domestic Art</i> )	Kansas City, Mo.
HUTTBALLE, MARIE M. ( <i>Domestic Art</i> )	Logan, Utah
IMBODEN, SARAH M. ( <i>Elementary Supervision</i> )	Decatur, Ill.
JAMES, MARGUERITE GARDINER ( <i>Kindergarten</i> )	Bloomfield, N. J.
JUDY, NANNIE BELLE ( <i>Domestic Art</i> )	Dayton, Ohio
JUSTI, KATHARINE TERESA ( <i>Fine Arts</i> )	Highland Park, Ill.
KERR, ETHEL MABEL ( <i>Domestic Science</i> )	Manchester Centre, Vt.
KIMBALL, CECILE ALDEN ( <i>Domestic Science</i> )	Grand Rapids, Mich.
KING, HAZEL W. ( <i>Physical Education</i> )	Bay Shore, L. I.
KLOETZER, HATTIE JANET ( <i>Domestic Art</i> )	Mt. Vernon, N. Y.
KRELLENSTEIN, RAY ( <i>Physical Education</i> )	New York City
LA GANKE, FLORENCE M. ( <i>Household Administration</i> )	Cleveland, Ohio
LE FEVRE, IRVING JOSIAH ( <i>Manual Training</i> )	New Paltz, N. Y.
LEO, EVELYN ( <i>Domestic Art</i> )	New York City
LESLIE, ALICIA GORDON ( <i>Household Administration</i> )	Newburgh, N. Y.
LIDBETTER, MARY ( <i>Fine Arts</i> )	Wolverhampton, England
LOAG, MARIAN A. ( <i>Elementary Supervision</i> )	Port Deposit, Md.
MCCLURE, HELEN ( <i>Domestic Science</i> )	New York City
MCILROY, ALICE A. ( <i>Kindergarten</i> )	New York City
MALTBY, LOUISE HUMPHREYS ( <i>Fine Arts</i> )	Kansas City, Mo.
MARX, ADELAIDE ( <i>Kindergarten</i> )	Albany, N. Y.
MASON, JOSEPHINE BEVERLEY ( <i>Kindergarten</i> )	Washington, D. C.
MAYER, EVELYN S. ( <i>Fine Arts</i> )	Leadville, Colo.
MAYER, VIOLA ( <i>Music</i> )	New York City
MEADOWS, EUNICE ( <i>Primary Teaching</i> )	Ruston, La.
MILLER, AMY P. ( <i>Hospital Economics</i> )	Baltimore, Md.
MILLER, SARAH G. ( <i>Fine Arts</i> )	Detroit, Mich.
MITCHELL, ELIZABETH HALSEY ( <i>Domestic Science</i> )	Susquehanna, Pa.
MONTGOMERY, ESTHER A. ( <i>Kindergarten</i> )	Williamsport, Pa.
MORITZ, ANTONIA J. ( <i>Fine Arts</i> )	New York City
MORRISEY, LAURETTA I. ( <i>Domestic Science</i> )	Grand Rapids, Mich.
MORTON, ELIZABETH M. ( <i>Domestic Art</i> )	Kansas City, Mo.
MURLAND, CLEO ( <i>Nature Study and Geography</i> )	Newark, N. J.
NUTTING, LOIS ( <i>Kindergarten</i> )	New York City
OVERTON, JOHN ARTHUR ( <i>Physical Education</i> )	New York City
PAINE, CASSIE L. ( <i>Elementary Supervision</i> )	Salem, Mass.
PALMER, LEONARD L. ( <i>Physical Education</i> )	New York City
PARKER, LINETTE, ALTHÆA ( <i>Household Administration</i> )	West Peabody, Mass.
PARKER, MARIE A. ( <i>Music</i> )	Goshen, N. Y.
PATTERSON, ALICE M., ( <i>Household Administration</i> )	Peabody, Mass.
PAULDING, VIRGINIA ( <i>Domestic Science</i> )	Huntington, L. I.
PEASE, HERBERT UDELL ( <i>Manual Training</i> )	Springfield, Mass.
PETTAPIECE, LAURA E. ( <i>Elementary Teaching</i> )	Bay City, Mich.
PIERCE, FANNIE EUGENEIA ( <i>Fine Arts</i> )	Logan, Ohio
PLIMPTON, LOIS E. ( <i>Domestic Art</i> )	Chicago, Ill.
PRITCHARD, MARGARET McELROY ( <i>Domestic Science</i> )	Lisbon, Ohio
PRITCHETT, KATHARINE A. ( <i>Elementary Supervision</i> )	Orange, N. J.
RAEDER, ANNA B. ( <i>Kindergarten Supervision</i> )	Passaic, N. J.
REGAN, MARIE L. ( <i>Fine Arts</i> )	New York City
REUTHER, EDWARD A. ( <i>Manual Training</i> )	Depew, N. Y.
RICHARD, BELLE ( <i>Primary Supervision</i> )	St. Cloud, Minn.
RICHARDS, CLARINDA C. ( <i>Fine Arts</i> )	Brooklyn, N. Y.
ROACH, ELIZABETH M. ( <i>Fine Arts</i> )	Akron, Ohio
ROAKE, LANETTA ( <i>Domestic Science</i> )	Peekskill, N. Y.
ROBERTS, CLARA MILDRED ( <i>Primary Supervision</i> )	Rome, N. Y.
ROBINSON, LEAH BROOKS ( <i>Domestic Science</i> )	Mt. Vernon, N. Y.



ROGERS, ALICE ( <i>Primary Supervision</i> )	Springfield, Mo.
ROWSON, LAURA LOWELLA ( <i>Domestic Science</i> )	Grand Rapids, Mich.
RUST, RIETTA JOY ( <i>Elementary Teaching</i> )	Gallipolis, Ohio
SAMETH, ELSIE ( <i>Physical Education</i> )	New York City
SCHWARTING, LOUISE E. ( <i>Hospital Economics</i> )	Reinbeck, Ia.
SEYMOUR, MARGARET ( <i>Elementary Teaching</i> )	Ottumwa, Iowa
SHEPPARD, EMMA E. ( <i>Fine Arts</i> )	Elmer, N. J.
SHERWOOD, JEANNETTE ORMEL ( <i>Kindergarten</i> )	New York City
SHURTZ, HELEN M. ( <i>Music</i> )	New York City
SKJEI, MARTHA ( <i>Hospital Economics</i> )	Madison, Minn.
SMBETON, MARY ALICE ( <i>Hospital Economics</i> )	Newark, England
SMITH, FANNIE POMEROY ( <i>Domestic Science</i> )	Litchfield, Ohio
SMURTHWAITE, GEORGIANA HOPE ( <i>Domestic Science</i> )	Ogden, Utah
SOLENDER, SAMUEL SOLOMON ( <i>Manual Training</i> )	New York City
STEELE, CORA ANN ( <i>Domestic Science</i> )	Coon Rapids, Iowa
STEELE, ROXANA A. ( <i>Elementary Teaching</i> )	Baltimore, Md.
STINCHFIELD, LAURA ESTELLE ( <i>Fine Arts</i> )	Robbinsdale, Minn.
STOKES, ETHEL ( <i>Domestic Science</i> )	Freehold, N. J.
STORER, HELEN MAYE ( <i>Manual Training</i> )	Susquehanna, Pa.
SWAN, EDITH J. ( <i>Household Administration</i> )	Belmar, N. J.
TATGE, AGUTHA, M.D. ( <i>Hospital Economics</i> )	Chicago, Ill.
TEMPLE, ELEANOR ( <i>Domestic Art</i> )	Muskegon, Mich.
THORNTON, ANNA C. ( <i>Physical Education</i> )	New York City
TILL, TINA ( <i>Domestic Science</i> )	Brooklyn, N. Y.
TUCKER, DAISY ELLA ( <i>Fine Arts</i> )	Watertown, N. Y.
VAN HORN, GERTRUDE ( <i>Kindergarten</i> )	Wilkes-Barre, Pa.
VAN HORNE, ELIZABETH GERTRUDE ( <i>Domestic Science</i> )	Hollywood, Calif.
VAN SAUN, ELIZABETH G. ( <i>Fine Arts</i> )	Maywood, N. J.
WAGSTAFF, MARION BLACK ( <i>Manual Training</i> )	Cranford, N. Y.
WALKER, LULU V. ( <i>Domestic Science</i> )	Baltimore, Md.
WARFIELD, CHARLOTTE ( <i>Fine Arts</i> )	St. Louis, Mo.
WEATHERSPOON, LIZZIE MCIVER ( <i>Fine Arts</i> )	Greensboro, N. C.
WEINTROB, RALPH ( <i>Elementary Supervision</i> )	Atlantic City, N. J.
WELCH, ANNA ( <i>Domestic Science</i> )	Niagara Falls, N. Y.
WEST, GAIL ( <i>Physical Education</i> )	Mt. Vernon, Iowa
WILLIAMS, SUSAN ELIZABETH ( <i>Elementary Teaching</i> )	New York City
WILSON, EVA ( <i>Domestic Science</i> )	Bridgeport, Conn.
WILSON, MARY M. ( <i>Fine Arts</i> )	Cape Girardeau, Mo.
WITHERS, FRANCES L. ( <i>Domestic Science</i> )	Chester, S. C.
WOLCOTT, MAY ( <i>Kindergarten</i> )	Highland Park, Ill.
WOODFORD, HELEN TREDWAY, ( <i>Music</i> )	Scarsdale, N. Y.
YORAN, MARY AMELIA ( <i>Domestic Art</i> )	East Creek N. Y.

## UNCLASSIFIED STUDENTS

## GRADUATES

BERRY, HOWARD B., B.S. 1908	Clarence Centre, N. Y.
BOOTE, GRACE EDITH, A.B. 1902	Yonkers, N. Y.
CLARK, ALDEN HYDE, A.M. 1904	Ahmednagar, India
DENNY, GRACE GOLDENA, A.B. Nebraska 1907	Lincoln, Neb.
EARL, ANITA MILLS, B.S. 1909	New York City
EYES, MARGARET, A.M. 1907, B.L. Swarthmore 1900	Millville, Pa.
GOLAN, JOSEPH B., A.B. C. C. N. Y. 1904, A.M. N. Y. U. 1908	New York City
HANLEY, KATHLEEN	Rockaway Beach, L. I.
HODOUS, LEWIS, A.B. Western Reserve 1900	Oberlin, Ohio
HORNE, ELSIE RUTHERFORD, B.S. 1908	Plainfield, N. J.

KARPINSKI, LOUIS CHARLES.....	Ann Arbor, Mich.
A.B. Cornell 1901, Ph.D. Strassburg, Germany 1903	
LEHMAN, EZRA, Ph.B. Bucknell 1899, Ph.D. Pennsylvania 1903.....	Elmhurst, N. Y.
MCCULLY, MAY SHIELDS, B.S. 1909.....	New York City
McLAUGHLIN, PIERINA, A.B. 1907.....	New York City
MORAN, EDWIN, A.M. 1906, A.B. Chicago 1894.....	Newark, N. J.
NICHOLSON, JANE HERBERT, B.S. 1908, A.M. 1909.....	Brooklyn, N. Y.
PAGE, RALPH BARLOW, Ph.D. 1909.....	New York City
PARKER, MARION L., A.B. Vassar 1908.....	Brooklyn, N. Y.
PENDLETON, CONSTANCE, B.S. 1909.....	Bryn Athyn, Pa.
POLLARD, GRACE I., A.B. 1900.....	Maplewood, N. J.
ROBERTSON, JEAN F., A.B. N. Y. N. C. 1902, A.M. N. Y. U. 1909.....	New York City
SPENCER, ROBERT V., A.B. 1901.....	Jasper, N. Y.
WOOD, MARGARET C., B.S. 1907.....	New York City

## UNDERGRADUATES

ABERNETHY, ANNIE E.....	Warrenton, N. C.
ACHESON, ANNIE E.....	New York City
ANDERSON, LYDIA E.....	Brooklyn, N. Y.
ARGUE, A. MAY.....	Lima, Ohio
BARNETT, SADIE R.....	New York City
BETTS, AGNES FARRAR.....	Englewood, N. J.
BEYERMAN, FREDERICK G.....	New York City
BISHOP, FRANKLIN HOBART.....	Nutley, N. J.
BOLTON, MARIE.....	Freeport, N. Y.
BRADLEY, HELEN.....	Wheeling, W. Va.
CAWTHON, FANNIE LOU.....	De Funiak Springs, Fla.
CHAPIN, ELEANOR KIDD.....	Rochester, N. Y.
CHATFIELD, WILLIAM ANDREW.....	Cornwall, N. Y.
CLEMENS, MAYNARD ARTHUR.....	New York City
COLEMAN, CONSTANCE LAMB.....	Mt. Vernon, N. Y.
CRAMER, CORA EDNA.....	Throop, Pa.
CROPSEY, MARY HOAGLAND.....	Brooklyn, N. Y.
DALY, MARY REGINA.....	Little Neck, N. Y.
DAMPMAN, SARA BUNN.....	Pt. Pleasant, N. J.
DOTY, FRANCES.....	Detroit, Mich.
FELEKY, ANTOINETTE.....	New York City
FLEMING, JENNIE M.....	Detroit, Mich.
FORBES, ESTHER BRADFORD.....	Torrington, Conn.
FORD, HAZEL HELEN.....	Hackensack, N. J.
GARDNER, WILLIAM BYAS.....	Moore, Pa.
GOULD, FRANCES REBA.....	Westerleigh, S. I.
GOVERS, VERONICA.....	New Rochelle, N. Y.
GREGORY, ABBY W.....	Wilton, Conn.
GRIFFING, EUNICE E.....	New York City
GUNTHER, EMMA H.....	Dunkirk, N. Y.
HAMILL, ROSE M.....	New York City
HARADA, KICHI.....	Tochigiken, Japan
HART, CONSTANCE C.....	New York City
HATTON, MARY ELIZABETH.....	Farmington, Mich.
HERBST, MARGARET WILHELMINA.....	Mt. Vernon, N. Y.
HERZ, ELSIE.....	New York City
HILL, MARY LOUISE.....	New York City
HOOVER, M. L.....	North River, N. Y.
HOWES, MARTHA WARREN.....	Yarmouthport, Mass.
HUNABUS, PAULA.....	Hanover, Germany

HUNTER, ELSIE M.	New York City
JACOBSON, HARRIET H. CHASE	Portland, Maine
JOHNSON, ALEY ANDER	Newport, Ky.
JOHNSON, ANNIE LOUISE	Hamilton, Kan.
KELSEY, MRS. FRANCES M.	Marquette, Mich.
KEUNE, EMMA	New York City
LAMBERT, LOUIS LUCIEN	New York City
LANGFELD, CLAUDIA	Wilkes-Barre, Pa.
LAWRENCE, ETHEL PRIMROSE	New York City
LEE, AMY G.	New York City
LICHT, EMMA AGNES	New York City
MACDONALD, MARIE DWIGHT	New York City
McKNIGHT, ELIZABETH	New York City
MACLAGAN, FLORENCE	Passaic, N. J.
MANSFIELD, MARY ISABELLE	Providence, R. I.
MARCY, EMILY	Wilkes-Barre, Pa.
MELVIN, HELEN MARGUERITE	Forestville, N. Y.
MINIHAN, JULIA A.	Jersey City, N. J.
MOORE, CÄCILIE MARIE GEORGY	New York City
MORRIS, HARRIET ALICE	Mansfield, Pa.
OLLER, SARA L.	New York City
PARKER, ELIZA	Rocky Mountains, N. C.
PECK, CLARA LOUISE	Grand Rapids, Mich.
PEPPER, ELIZABETH N.	Los Angeles, Calif.
PHILLIPS, GEORGIANA	Greenport, N. Y.
PITTMAN, HELEN	New Brunswick, N. J.
PRATS, ELENA R.	Mayaguëz, Porto Rico
PUIO, AMERICA	Mayaguëz, Porto Rico
REEVE, BEULAH IRENE	Mattituck, N. Y.
REIDY, KATHARINE L.	New York City
ROCKWOOD, ALFRED HARRIS	Roseville, N. J.
ROOD, MYRTLE M. (MRS.)	Easton, Pa.
ROWE, (MRS.) EMMA	New York City
SCHROEDER, MATILDA	New York City
SEIL, JULIET	Perth Amboy, N. J.
SELBY, MARY M.	Baltimore, Md.
SEYMOUR, RUTH	New York City
SHAMEL, ANNE MAUD	Springfield, Ill.
SMITH, BLANCHE	Fairmont, W. Va.
SOLOMONS, CLARA	Charleston, S. C.
SPENCER, MARY	New York City
STACEY, EDITH	Perth Amboy, N. J.
STEVENS, EDNA	New York City
SWIFT, (MRS.) MARGARET WELLES BARRON	Brooklyn, N. Y.
TAWYER, MARY ANNE	Sydney, N. S. W., Australia
TRACE, MARGARET	Cleveland, Ohio
TURNER, RUTH M.	Hampton, Va.
VON LENGERKE, IDA	Orange, N. J.
WAITE, JANE MARTHA	Worcester, Mass.
WALLACE, LUCY BRYANT	New York City
WALSH, NELLY	Nashville, Tenn.
WARD, MARY	Honolulu, T. H.
WIDMER, GERTRUDE D.	Seattle, Wash.
WILBARGER, ANNIE	Georgetown, Tex.
WILE, ADELE	Rochester, N. Y.
WILKES, BERTHA CORINNE	Irvington, N. J.

WILLIAMS, LETITIA E. ....	New York City
WINCHELL, JESSIE A. ....	Mt. Vernon, N. Y.

## SUMMER SESSION 1909

The following matriculated students, not in residence during the academic year 1909-10, were in attendance at the Summer Session of 1909:

ADAMS, LUCIE MARVIN. ....	Juliette, Ga.
ADAMS, MILLY E. ....	New York City
ARGANBRIGHT, CHARLES A. ....	Bluffton, O.
ASHER, LOLA O. ....	Terre Haute, Ind.
ASHTON, PEARL. ....	Kalamazoo, Mich.
ATWOOD, ALICE P. ....	New York City
AUSTIN, ANNIE R. ....	Lewisburg, W. Va.
BACON, GERTRUDE M. ....	North Tonawanda, N. Y.
BAILEY, LUCY C. ....	Clarksville, Tenn.
BAILEY, PEARL LAVERNE. ....	Menomonie, Wis.
BANGERT, FLORENCE G. ....	Baltimore, Md.
BARBER, JESSIE MARIE. ....	Springfield, O.
BARRETT, MARY LOUISE. ....	Rochester, N. Y.
BARRY, KATHRYN. ....	Chicago, Ill.
BEAN, SUSAN HOPKINS. ....	Philadelphia, Pa.
BEARDSLEY, GREETA. ....	Kent, O.
BELL, MABEL B. V. ....	New Brighton, S. I.
BELL, SARAH E. ....	Newton, N. J.
BENJAMIN, CLAUDE T. ....	West New Brighton, S. I.
BEST, LOUIS F. ....	Holland, Mich.
BIRCKHEAD, EDWARD F., JR. ....	Proffit, Va.
BLACKMAN, EDITH. ....	Baltimore, Md.
BLESSING, CHARLES WINNE. ....	Albany, N. Y.
BLODGETT, ELIZABETH. ....	New York City
BOLES, FLORA ALICE. ....	Fort Smith, Ark.
BOURLIER, (MRS.) HELEN. ....	Hackensack, N. J.
BOYER, WILLIAM J. ....	Federalsburg, Md.
BRADSHAW, CHAS. F. ....	Indianapolis, Ind.
BRADY, CHAS. H. ....	Wabash, Ind.
BRENNECKE, JANE R. ....	Altoona, Pa.
BROACH, EMMA. ....	Campton, Ga.
BRODERICK, EDWARD M. ....	Hannibal, N. Y.
BROGDEN, LAUTREC CRANMER. ....	Raleigh, N. C.
BROOKMEYER, IVAN L. ....	Neffsville, Pa.
BROOKS, ANNA. ....	New York City
BROSNAN, MARY L. ....	Albany, Ga.
BROWN, LUCY LOVELL. ....	Boonton, N. J.
BROWN, SARAH I. ....	Boonton, N. J.
BUCKINGHAM, BURDETTE R. ....	Elmhurst, L. I.
BURLINGAME, ELIZABETH J. ....	Somerville, N. J.
BURRUSS, HENRY PACE. ....	Birmingham, Ala.
CANDLER, ELLA RUTH. ....	New York City
CAPLOW, SAMUEL N. ....	New York City
CARSON, MARGARET. ....	New York City
CHATFIELD, HAZEN. ....	New York City
CLARK, ANNA WASHBURN. ....	Scranton, Pa.
CLOCK, MAUDE E. ....	Haddonfield, N. J.
CLUNE, MARY C. ....	Springfield, Mass.
COBEY, LUCY E. ....	Hartford, Conn.

COLLINS, SARAH M.	Elizabeth, Pa.
CONWAY, MARY M.	Tompkinsville, N. Y.
COOK, FRIEDA H.	Brooklyn, N. Y.
COOKINGHAM, ADA R.	Cherry Creek, N. Y.
COPELAND, H. CONSTANCE.	Tuxedo Park, N. Y.
COSTON, HELEN.	Boise, Idaho
COTTON, GRACE.	Brooklyn, N. Y.
CRAW, SARA.	Grand Rapids, Mich.
CRIGLER, NINA B.	Normal, Ill.
CROUSE, NORA.	Dauphin, Pa.
CURTIS, HELEN L.	Stratford, Conn.
CURTIS, WILBUR ROBERT.	Crown Point, Ind.
DAVIS, ALICE M.	Boonton, N. J.
DAVIS, OLIVE L.	Fenton, Mich.
DAVISON, NORABELLE.	Laurel, Ind.
DENNISTON, MARY.	Washingtonville, N. Y.
DERBYSHIRE, GRANT ELLSWORTH.	Portland, Ind.
DEYO, LOUIS DEWITT.	Roselle Park, N. J.
DICKEY, HOMER BLOUNT.	Dwight, Ill.
DIXON, HENRY MORTON.	Westfield, Ind.
DOLAN, A. CLARE.	Ogdensburg, N. J.
DOLIN, ELIZABETH M.	Utica, N. Y.
DONOVAN, HELEN.	Rochester, N. Y.
DORE, MARIE.	Chicago, Ill.
DOTEY, AARON I.	New York City
DOWELL, SPRIGHT.	Birmingham, Ala.
DRESDNER, DORA D.	Brooklyn, N. Y.
DUBOIS, SOLOMON E.	New York City
ELLIOTT, CLARA E.	Hamilton, Ont., Can.
ELLIS, MARY.	Buffalo, N. Y.
EMMONS, MARY.	Frenchtown, N. J.
ENK, FLORENCE F.	Somerville, N. J.
FAAS, CHARLES T.	Great Neck, L. I.
FADDIS, JENNIE REBECCA.	Evansville, Ind.
FIELDER, LOVIE IRENE.	Wetumpka, Ala.
FITZSIMONS, MARY M.	New York City
FLEISCHER, JOSEPH.	New York City
CAMBRILL, BESSIE L.	Ellicott City, Md.
GARDNER, HELEN W.	Brooklyn, N. Y.
GARVER, FRANCIS MARION.	Binghamton, N. Y.
GAST, IRA MORRIS.	Saranac Lake, N. Y.
GEARING, MARY EDNA.	Houston, Tex.
GILES, JOE T.	Marion, Ind.
GILLILAND, EUGENE.	Nashville, Tenn.
GILMORE, WM. FRANCIS.	Canton, O.
GILTNER, EMMETT E.	Oaktown, Ind.
GOODING (Mrs.) C. T.	Macon, Ga.
GRAVES, FRANCES C.	Cuero, Tex.
GRIMES, JOSEPH A.	Cedar Hill, Tenn.
HAAS, LOUIS J.	New York City
HAMACKER, EDITH.	Stevens Point, Wis.
HAMER, JESSIE.	Johnstown, Pa.
HAMM, FRANKLIN P.	Breakabeen, N. Y.
HANN, RUTH PENMAN.	Seranton, Pa.
HANSEN, MABEL.	Weehawken, N. J.
HANSEN, MARY E.	Perth Amboy, N. J.



HARRIS, AGNES ELLEN.....	Rome, Ga.
HAWKINS, MASON A.....	Baltimore, Md.
HAWKINS, WILSON.....	Bellaire, O.
HEDGES, FRED M.....	Bradford, N. Y.
HELTER, HENRY HARRISON.....	Mansfield, O.
HERDLE, LEWIS A.....	Clinton, O.
HILL, EDITH A.....	Cincinnati, O.
HINES, LINNAEUS N.....	Crawfordsville, Ind.
HOBBS, JESSE VINTON.....	Baltimore, Md.
HOKE, KREMER J.....	Manchester, Va.
HOLLOWAY, WILLIAM J.....	Salisbury, Md.
HOLTON, JACOB W.....	Sullivan, Ind.
HOOVER, LORETTO LOUISE.....	Lancaster, Pa.
HORTON, HAROLD M.....	Taunton, Mass.
HOSTERMAN, JOHN S.....	Montrose, Pa.
HOUSTON, JOSEPH R.....	Aurora, Ind.
HURLEY, KATHERINE LESTER.....	New York City
HUTTON, J. GERTRUDE.....	East Orange, N. J.
HYNES, HELEN M.....	New York City
INGLES, NELLIE G.....	Hobart, N. Y.
INGRAHAM, LENA LOUISE.....	Fullerton, Calif.
JACKSON, CLIFFORD W.....	Columbus, O.
JARRETT, BERTHA A.....	New York City
JOHNSON, FRANKLIN W.....	Chicago, Ill.
JOHNSON, WORTHY.....	Athens, Ga.
JONES, ADA E.....	Auburn, N. Y.
JONES, ROBINSON G.....	Kewanee, Ill.
JOSAPHARE, (MRS.) MAUD C.....	Philadelphia, Pa.
JUDD, EDWIN F.....	Easthampton, Mass.
JUDD, ZEBULON V.....	Raleigh, N. C.
KAHN, JENNIE.....	New York City
KELLY, MARGARET A.....	Muskegon, Mich.
KEMP, GEORGE B., JR.....	Jersey City, N. J.
KENNA, MARY MONICA.....	Carthage, N. Y.
KENNEDY, ALFRED R.....	Lowell, Mass.
KENT, A. RAYMOND.....	Winona, Minn.
KEUNE, EMMA.....	New York City
KIERMEIER, ANNA B.....	Haddonfield, N. J.
KINDIG, SADIE H.....	Lancaster, Pa.
KING, MARGARET G.....	Norfolk, Va.
KITCH, CLAUDE E.....	Huntington, Ind.
KOPP, WILLIAM HENRY.....	Akron, O.
KORMINSKY, HYMAN.....	New York City
KUGEL, DAISY ALICE.....	Sandusky, O.
LAWRENCE, MARY ALICE.....	Rochester, N. Y.
LAWTON, GIFFORD C.....	Brockport, N. Y.
LEETE, BERTINA A.....	Claremont, N. H.
LEMON, MARGARET A.....	Barnwell, S. C.
LESLIE, ALICIA G.....	Newburgh, N. Y.
LEVIN, ISAAC HARRIS.....	Philadelphia, Pa.
LEWIS, HALLIE C.....	Marianna, Fla.
LINDSEY, ANNIE E.....	Manhattan, Kan.
LINDSEY, TASSO.....	Lockport, N. Y.
LOCKE, L. LELAND.....	Brooklyn, N. Y.
LOFTUS, JOHN J.....	Brooklyn, N. Y.
LONG, ALMA I.....	Cincinnati, O.

LONGLEY, (Mrs.) IDA M.	Chattanooga, Tenn.
LOOMIS, HERBERT N.	New Britain, Conn.
LUCAS, ELLA BERTINE	Poquetanuck, Conn.
LUCAS, MINNIE A.	Washington, D. C.
McCAUGHAN, JAMES Z. A.	Bloomington, Ind.
McCLELLAND, THOMAS KNOX.	Newark, N. J.
McCLOSKEY, JAMES HARVEY.	Conneaut, O.
McCoy, BERNICE.	Lewiston, Idaho.
McDILL, GENEVIEVE S.	Stevens Point, Wis.
McDONALD, MARY I.	New York City
McFARLAND, DAVID S.	Oswego, N. Y.
McFEELY, EMMA A.	Ridley Park, Pa.
McINTIRE, WARREN WALLACE.	Norwood, Cincinnati, O.
McIVER, JAMES HARRY.	Wadesboro, N. C.
McKENNA, MARY C.	Waltham, Mass.
McKINLEY, VERGIL PARKS.	Troy, Ala.
McLAUGHLIN, EDWIN E.	Carbondale, Ill.
MacGILL, L. GLADYS.	Commerce, Ga.
MacLEOD, EVELYN A.	Lisbon, O.
MacMILLAN, MARY ELIZA.	Red Springs, N. C.
MADDOX, JOHN J.	Claryville, Ky.
MADDOX, W. ARTHUR.	Richmond, Va.
MAHER, ELIZABETH M.	Rochester, N. Y.
MARSHALL, GRACE.	Cincinnati, O.
MATTESON, EMMA B.	Oneonta, N. Y.
MEAD, CYRUS D.	Fort Wayne, Ind.
MERRIAM, BURR JAY.	Brookfield, Mass.
MERRITT, HOWARD M.	Somerset, Pa.
MILES, ELLA F.	Hamilton, Ont., Can.
MILES, SUSAN L.	Summerville, S. C.
MILLER, MABEL F.	New York City
MILNES, H. COOPER.	Chicago, Ill.
MOORE, BENJAMIN F.	Muncie, Ind.
MOORE, JULIA M.	Chicago, Ill.
MORGAN, M. ELIA.	Washington, D. C.
MORRIS, MEREDITH D.	Parkersburg, W. Va.
MORRISON, WILLIAM J.	Brooklyn, N. Y.
MORROW, (Mrs) NANNIE R. C.	Fairmont, W. Va.
MURPHY, EDA LORD.	Delafield, Wis.
MURPHY, ELLEN JUNE.	Bamburg, S. C.
MURPHY, HELEN F.	Muskegon, Mich.
MURRAY, CATHERINE M. A.	New York City
MYERS, WILLIAM A.	Hartford City, Ind.
N NTS, J. STANLEY.	Paris, Tenn.
NIXON, ROSA.	Montgomery, Ala.
NORTHWOOD, BERTHA.	Trenton, N. J.
NORTHWOOD, LOUISE.	Trenton, N. J.
NOYES, ELMIRA E.	Portsmouth, Va.
O'MALLEY, ARTHUR F.	Boston, Mass.
O'NEILL, ANNA T. LEE.	Jersey City, N. J.
OREM, NICHOLAS.	Easton, Md.
ORME, W. H.	St. Paul, Minn.
OSBORN, LAURA.	New York City
OVERTON, MABEL L.	New York City
PALMER, FRANK.	East Meredith, N. Y.
PARKER, BERTHA M.	Rochester, Ill.

PARKER, EDITH P.	Rochester, Ill.
PARTRIDGE, SARAH W.	Monticello, Fla.
PEARCY, JAMES B.	Anderson, Ind.
PHOENIX, LYDIA ELLEN	Troy, Pa.
PIATT, LIDA M.	Laingsburg, Mich.
PIERSON, HARRY	Oradell, N. J.
POTTORF, JOHN L. G.	Canton, O.
RACE, HENRIETTA V.	Winfield, Kan.
RAITT, EFFIE I.	Evanston, Ill.
RANKIN, ADA LOIS	Pittsburg, Pa.
REGER, RICHARD	Passaic, N. J.
RENNER, MILTON E.	Trenton, N. J.
RICHARDS, ELIZABETH MAY	Nevada City, Calif.
RICHARDSON, AGNES D.	Sumter, S. C.
RICHARDSON, KATHERINE M.	Sumter, S. C.
RICKERT, EDWIN L.	Maquoketa, Ia.
RIDDLE, JESSE WINFIELD	Lawrenceburg, Ind.
RIEDEL, LOIS	Utica, N. Y.
ROBINSON, MARY	Morven, N. C.
ROSE, KATHERINE B.	Gloversville, N. Y.
ROSE, (MRS.) M. KIRBY	Louisville, Ky.
RUSSELL, (MRS.) AMANDA B.	Chattanooga, Tenn.
RUSSELL, ETHEL CLARISSA	Hornell, N. Y.
RYLAND, HELENA MABEL	Jonesboro, Tenn.
SALE, (MRS.) FRANCES	Tignall, Ga.
SARAUW, JULIA	New York City
SCHECHTER, DAVID G.	New York City
SCHUMAN, CLYDE B.	Savannah, Ga.
SCOTT, EMMA	Pittsburg, Pa.
SELLER, CLARA JANE	Morristown, N. J.
SHAW, CORALINE NOBLE	Oberlin, O.
SHEEHAN, LULU V.	Schuylerville, N. Y.
SHEFFIELD, LILLIAN F.	Toronto, Canada
SMALL, HERBERT W.	Dryden, Me.
SMITH, ETHEL L.	Trenton, N. J.
SMITH, HENRY LESTER	Bloomington, Ind.
SMITH, WILLIAM ALEXANDER	Poughkeepsie, N. Y.
SOMERS, GROVER	Bloxom, Va.
STABLER, (MRS.) IDA PALMER	Sandy Spring, Md.
STANLEY, ISAAC NEWTON	Star City, Ind.
STANLEY, SARAH	Sanford, Fla.
STARKE, VIRGINIA L.	Norfolk, Va.
STERRETT, MARY C.	Decatur, Ill.
STITES, MARION GERTRUDE	Hewitt, N. J.
STONE, ELIZABETH E.	Lincoln, Ill.
STRADER, WILLIAM	Stroudsburg, Pa.
STRAWN, EVALYN	Albion, Ill.
STROMSTADT, ANNA CATHERINE	Charleston, W. Va.
STUCHELL, ETHEL M.	Indiana, Pa.
SWAIN, ALBERT N.	Adel, Ga.
TAYLOR, EMMA C.	Altoona, Pa.
TAYLOR, HOY	Biscoe, N. C.
TERRELL, HUBERT N.	Dobbs Ferry, N. Y.
TERRILL, FRANCES A.	New Haven, Conn.
THAYER, OTIS R.	Springfield, Mass.
THOMAN, EDNA L.	Hackensack, N. J.

THOMPSON, BEATRICE M.	London, Canada
THOMPSON, ELIZABETH ETHEL	East Lebanon, Me.
THOMPSON, NANNIE	Centreville, Md.
THOMSON, CLAUDIA	Rapid City, S. D.
TODD, THOMAS M.	Greenwood, Del.
TOWNE, LILLIAN MAY	Brighton, Mass.
TRESTER, ARTHUR L.	Alexandria, Ind.
TROWBRIDGE, ANNA BAILEY	Fairhaven, Mass.
TRYON, ROLLO M.	Madison, Ind.
TWADDLE, HUGH W.	Ossining, N. Y.
TYLER, GENEVIEVE M.	Rochester, N. Y.
UPSHAW, HERMAN	Eufaula, Ala.
VANDERBILT, FLORENCE ETHEL	Brooklyn, N. Y.
VAN OOT, BENJAMIN H.	Oswego, N. Y.
VAN RIPER, PAUL	Franklin, Ind.
VOGEL, GEORGE J.	Hackensack, N. J.
WALLACE, FLORENCE D.	Baltimore, Md.
WALLACE, LOLA RYAN	New York City
WARREN, FRED H.	East Liverpool, O.
WATERBURY, AVIS	Westfield, Mass.
WATKINS, JANE	Lexington, Ky.
WEBB, MARQUIS D.	Lawrenceburg, Ind.
WEEDMAN, GEORGE P.	North Vernon, Ind.
WEEKS, MARGARET WATSON	Truro, N. S., Can.
WEGLEIN, DAVID EMRICH	Baltimore, Md.
WEIMER, TERESA	Kewanee, Ill.
WELCH, FLORINE	Plainfield, N. J.
WELLS, FLORENCE	Saginaw, Mich.
WENTZEL, BERTHA K.	Bellwood, Pa.
WHITEFORD, ROGER J.	Rockville, Md.
WHITHAM, JESSIE I.	Platteville, Wis.
WHITNEY, WILL	Fairhaven, Mass.
WIEBE, MINNIE D.	Brooklyn, N. Y.
WILLIAMS, MARGARET MAY	Horseheads, N. Y.
WILSON, CAROLINE	Winfield, Kan.
WILSON, CHARLES L.	Parkersburg, W. Va.
WILSON, GUY MITCHELL	Connersville, Ind.
WILSON, HARRY BRUCE	Decatur, Ill.
WILSON, OTIS G.	Elkins, W. Va.
WINSLOW, LEON LOYAL	Brockport, N. Y.
WITHEROW, IDA JUANITA	New Orleans, La.
WORTHINGTON, AGNES MABEL	Baltimore, Md.
WRAY, CHARLOTTE D.	Hampton, Va.
WRIGHT, MAMIE C.	Hartsville, S. C.
WRIGHT, PAUL H.	Powhatan Point, O.

## SUMMARY

## Graduate, Students:

Candidates for Doctor's Degree and Diploma	59
" " Master's Degree and Diploma	131
Unclassified	26

## II. Professional Students:

Candidates for Bachelor's Degree and Diploma, and for special Diplomas:

For Teaching in Secondary Schools; Biology 8, English 53, French 3, Geography 5, German 23, History 35, Latin 11, Mathematics 30, Physical Science 10, in Elementary Schools 34, in Kindergarten 46, Domestic Art 59, Domestic Science 113, Fine Arts 76, Hospital Economics 20, Household Administration 3, Manual Training 35, Music 9, Nature Study 3, Physical Education 31, Supervising in Kindergarten 12, Supervising in Primary Schools 22, Supervising in Elementary Schools 45, in Secondary Education 1. Candidates for the Bachelor of Science Degree only 30..... 717

III. Unclassified Students..... 103  
 Less duplicate counts, students candidates for more than one diploma 11

Total resident registration..... 1025

IV. Additional matriculated students, Summer Session, 1909..... 318

Net total matriculated students..... 1343

V. Students from other parts of the University..... 266

Total matriculated students..... 1609

VI. Non-matriculated (extension) students registered at Teachers College... 1671

" " (special classes) registered at Teachers College..... 248

Total attendance..... 3528

In addition to the above there are this year 996 pupils in the Horace Mann School and 225 in the Speyer School; total 1221.

Total attendance at the college and its schools, 4749.



## COLLEGE OF PHARMACY

### OFFICERS AND TRUSTEES

NICHOLAS MURRAY BUTLER.....	<i>President</i>
EWEN MCINTYRE.....	<i>Honorary President</i>
CHARLES F. CHANDLER.....	<i>Vice-President</i>
HERBERT D. ROBBINS.....	<i>Vice-President</i>
WILLIAM JAY SCHIEFFELIN.....	<i>Vice-President</i>
GUSTAVUS RAMSPERGER.....	<i>Honorary Vice-President</i>

*Term expires 1910*

OTTO P. AMEND  
ADOLPH HENNING  
ROBERT S. LEHMAN  
REUBEN R. SMITH  
F. W. SCHOONMAKER

*Term expires 1911*

WILLIAM C. ALPERS  
MAX J. BREITENBACH  
CHARLES S. ERB  
LEO W. GEISLER, JR.  
FELIX HIRSEMAN

*Term expires 1912*

THOMAS P. COOK  
ARTHUR H. ELLIOTT  
GEO. H. HITCHCOCK  
HIERONIMUS A. HEROLD  
ALBERT PLAUT

CLARENCE O. BIGELOW.....	<i>Treasurer</i>
THOMAS F. MAIN.....	<i>Secretary</i>
EDWARD W. RUNYON.....	<i>Assistant Secretary</i>
W. B. SIMPSON.....	<i>Clerk of the College</i>

### OFFICERS OF INSTRUCTION

#### Officers of the Faculty

Professor RUSBY.....	<i>Dean and ex-officio Member of the University Council</i>
" DIEKMANN.....	<i>Secretary</i>

#### The Faculty

President BUTLER	Professor GIES
Professor CHANDLER	" CURTIS
" ELLIOTT	" VORISEK
" RUSBY	" MANSFIELD
" COBLENTZ	" KNAPP
" DIEKMANN	" BASTEDO
" OEHLER	" DUFF

**Other Instructors**

CURT P. WIMMER, Ph.D., *Instructor in Pharmacy*; FREDERICK A. LESLIE, Ph.D., *Instructor in Analytical Chemistry*; CHARLES W. BALLARD, Ph.D., *Instructor in Materia Medica*; JEANNOT HOSTMANN, Ph.G., *Assistant in Chemistry*; GEORGE HOHMANN, Ph.G., *Assistant in Pharmacy*.

**OTHER OFFICERS OF ADMINISTRATION**

(See page 5)

**GENERAL STATEMENT**

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College is situated at 115 West 68th Street, near Columbus Avenue, in an especially well-equipped building erected in 1894.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists, pharmaceutical chemists and Doctors of Pharmacy and, as well, a valuable addition to the University's resources for teaching and research in botany, chemistry, and materia medica.

**ADMISSION**

(See page 171)

Students who are to be examined for admission will be examined either at the Regents' examination, or at the January and September entrance examinations of Columbia University, or of the College Entrance Examination Board, which are held in June of each year. (See page 171.)

**College Course**

This course is open, according to statute, only to persons holding the Qualifying Certificate for a Pharmacy Student, granted by the State Education Department for 15 Regents' counts or their equivalent. (Leading to the degree of Ph.G.)

### University Course

This course is open only to persons holding the Academic Equivalent Certificate of the Regents of the State of New York, or the corresponding credentials of Columbia University or of the College Entrance Examination Board. (Leading to the degree of Ph.C.)

### Graduate Course

This course is open to pharmaceutical chemists of this or other schools of equal grade or those holding equivalent degrees. (Leading to the degree of Phar.D.)

### Food and Drug Course

This course is open to all graduates of this College, and to others whose training has qualified them to perform the necessary work.

## COURSES OF STUDY

1. A college course, consisting of a junior and senior year, leading to the degree of Graduate in Pharmacy, conferred by the College independently of the University, and qualifying the graduate to meet any examination for the position of licensed pharmacist.

The work undertaken is as follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, dispensing pharmacy, botany, pharmacognosy, physiology, and toxicology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry, analytical chemistry, practical pharmacy, dispensing pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of 2 years leading to the degree of Pharmaceutical Chemist, conferred by the University. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year. It includes instruction in biology and a laboratory course in physics, in addition to the studies of the College course. Part of this work is performed by the medical department of the University.

3. A third or graduate course of one year, leading to the degree of Doctor of Pharmacy. This course is designed to fit graduates for positions as analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analysis, technical microscopy and bacteriology, quantitative and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physio-

logical chemistry. Students so desiring may add a second year to this course, making their entire course the equivalent of that leading to a degree of Bachelor of Science.

4. A course of one year in the microscopical and chemical analysis of foods and drugs. A Summer Preparatory Course of twelve weeks is provided for those who, for any reason, require training in special subjects as a preparation for the Food and Drug Course.

5. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to such students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

#### **Method of Instruction**

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy. This arrangement enables students to meet the Board requirements, and it also provides a means of paying the expenses of a majority of students.

Many students, under the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

In addition to lectures and laboratory work a series of recitations or quizzes, by a corps of qualified instructors, is given to the students in small sections.

#### **Prizes**

(See page 441)

# REGISTER OF STUDENTS

## COLLEGE OF PHARMACY

### Senior Class

BAHAN, KATHERINE R.	Yonkers, N. Y.
BARON, SAMUEL	New York City
BECKER, CHARLES C.	Stapleton, N. Y.
BENSEN, S. R. MERRILL	Paterson, N. J.
BERKOWITZ, ISIDOR	New York City
BINDER, ABRAHAM	New York City
BLAKE, EARL W.	Port Byron, N. Y.
BLATT, SAMUEL	New York City
BROWN, WILLIAM A.	New York City
BUCK, LYN H.	Gouverneur, N. Y.
BUSSELL, MORRIS	New York City
CANTOR, DAVID	New York City
CARSON, JOHN J.	Ononta, N. Y.
CARTWRIGHT, HAROLD T.	New York City
CLAYTON, GEORGE F.	New York City
CLARK, ROBERT	Larkfield, L. I.
COESTER, BROWER B.	Campgaw, N. J.
COHEN, ABRAHAM	New York City
COHEN, DAVID I.	Jersey City, N. J.
COLE, CLIFFORD D.	Fillmore, N. Y.
COLE, CRYSTAL A. P., MISS.	Fillmore, N. Y.
COLES, WILLIAM H.	Bayonne, N. J.
COLODNY, HYMAN	New York City
CYPRESS, LEON L.	New York City
DEL VECCHIO, FELIX A.	Newark, N. J.
DI BELLA, ANTHONY	New York City
DILLINGHAM, WILLIS I.	Union Hill, N. J.
EFTHIMIOU, EFTHIMIOS.	Samos Valley, Greece
ELTING, RICHARD	Ellenville, N. Y.
FABREGA, DEMETRIO	Plaza del Mercado, Panama
FESSLER, RUDOLPH	New York City
FREEDMAN, EPHRAIM	New York City
FREIMAN, MAX	New York City
GAGLIANO, BENJAMIN	New York City
GALOTTA, STEPHEN L.	New York City
GARTEN, OSCAR	New York City
GIVENS, EDWARD M.	Highlands, N. J.
GLASEROFF, SAMUEL	New York City
GOLD, JACOB D.	New York City
GOLDBERG, SAMUEL L.	New York City
HAEFELI, WILLIAM	New York City
HANKS, CHARLES R.	New York City
HART, FANNIE	New York City
HEIMLICH, EDWARD A.	New York City



HELDT, MARTIN G.....	New York City
HERTZ, HERMAN.....	New York City
HOLT, MARTHA A., MISS.....	Yonkers, N. Y.
HOWARD, LESLIE W., JR.....	West Lebanon, N. H.
HUCK, MARTIN L.....	New York City
HUMPHREYS, GLEN W. S.....	Rockwayville, Pa.
HUTTON, ALTON E.....	Brasie Corners, N. Y.
JAFFEY, ISIDOR.....	New York City
KAPOLSKY, ISIDORE.....	New York City
KANTOR, LEO E.....	New York City
KASCHUCK, GEORGE.....	New York City
KIPP, ERNEST E.....	Milford, Pa.
KNECHT, ERNEST W.....	New Brunswick, N. J.
KRAUSER, WILLIAM H.....	Milton, Pa.
KRUMWIEDE, HOWARD.....	New York City
LACCORN, PAUL E.....	New York City
LAMOUREE, ALEXANDER.....	Tuxedo Park, N. Y.
LAWSON, ALEXANDER, JR.....	Rockville Center, L. I.
LEVENSON, MEYER A.....	Harrison, N. Y.
LEVOW, BENJAMIN.....	New York City
LIEBRECHT, CHARLES F.....	New York City
LINDSAY, CHARLES W.....	Amsterdam, N. Y.
MCCRUM, EDWARD, JR.....	New York City
McMULLEN, WILLIAM Y.....	Bristol, Conn.
MALARKEY, JOSEPH F.....	Bethel, Conn.
MARTEN, EMANUEL E.....	New York City
MESSIANO, PASQUALE.....	New York City
MOORE, SCHUYLER W.....	Newburgh, N. Y.
MORRILL, DAVID C.....	New York City
O'TOOLE, JOHN F.....	Westport, Ireland
POLONSKY, JOSEPH.....	New York City
PROBST, G. CALDWELL.....	Concord, N. C.
RALSTON, WILBERT M.....	Atlantic City, N. J.
RICCARDI, VICTOR H.....	New York City
RICHLESS, LOUIS H.....	Hoosick Falls, N. Y.
RIDOLFI, JOSEPH.....	Velletri, Italy
ROBITSEK, ANTON.....	New York City
ROEDIGER, TRAUOTT F.....	New York City
ROSENBLATT, SAMPSON.....	New York City
SCHETTERER, GEORGE.....	Peekskill, N. Y.
SCHLESINGER, HARRIS.....	New York City
SCHROEDER, OTTO L.....	New York City
SCHWARZ, LOUIS W.....	Jersey City, N. J.
SIDRANSKY, SAMUEL.....	New York City
SIEBENBORN, HARRY W.....	New York City
SIEGEL, ISIDOR S.....	Yonkers, N. Y.
SPERO, DEBORAH.....	Hoboken, N. J.
SPLESCIA, LORETTO.....	New York City
STEAD, THEODORE H.....	Norwich, Conn.
STROH, HENRY P.....	Jamaica, N. Y.
TAUB, JULIUS.....	Jersey City, N. J.
TOLMACH, SAMUEL.....	New York City
TYMPANY, WILLIAM H.....	New York City
VOGEL, HERMAN.....	New York City
WEIL, MONROE H.....	New York City
WEINER, SAMUEL.....	New York City

WEIS, HARRY.....	Scranton, Pa.
WISE, JAMES W., JR.....	Dover, Del.
WHALEN, VINCENT T.....	Millbrook, N. Y.
YAPPA, FRED.....	New York City
ZORN, OTTO G.....	New York City

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## Senior University Class

AYERS, CLARENCE A.....	Andover, N. J.
AUCHENPAUGH, ELMER.....	Hinesville, N. Y.
BELA, SZUCS.....	Cleveland, O.
BLUME, ROBERT L.....	Ansonia, Conn.
BREITENBACH, JULIUS M.....	New York City
COLE, ARTHUR E.....	Avon, N. Y.
FUKUHARA, SHINZO.....	Tokio, Japan
GOLDSTEIN, ISIDORE.....	Paterson, N. J.
GREENWOOD, SAMUEL B.....	Newark, N. J.
HANSEN, HARRY.....	Weehawken, N. J.
KUHLMAN, ALVIN E.....	Town of Union, N. J.
MECHINEL, ANTONIO.....	New York City
MINOR, RÓDDIE, MISS.....	New York City
RENAULT, WALTER.....	New York City
ROBINSON, VICTOR A.....	New York City
ROMEO, SALVATORE.....	White Plains, N. Y.
ROON, LEO.....	New York City
ST. GEORGE, ARMIN V.....	Jersey City Heights, N. J.
SCUCCIMARRA, MOSE.....	New York City

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## Junior Class

ADLER, ABRAHAM.....	New York City
ALLITON, GEO. W.....	Kingston, N. Y.
ANDREOLA, NICHOLAS.....	New York City
APPLEBAUM, SAMUEL.....	New York City
ARGINTEANU, MORRIS.....	New York City
ARONOWITCH, BORIS.....	New York City
ASERINSKY, BORIS.....	New York City
BALLOFF, HARRY.....	New York City
BEARMAN, SAMUEL.....	Hoboken, N. J.
BERRY, ERNEST H.....	New York City
BERNING, BERNARD H.....	New York City
BLAIR, MATTHEW.....	New York City
BONGARTZ, JOSEPH.....	Kingston, N. Y.
BRIGGS, ELDRIDGE C.....	Clinton, S. C.
BROOKER, EUGENE D.....	New York City
BURLINGAME, STANLEY.....	Warsaw, N. Y.
BYE, HIRSCH.....	New York City
CAGGIANO, LOUIS.....	New York City
CAPOBIANCO, PINCENZO.....	New York City
CARIPPE, JOSEPH V.....	Tuxedo Park, N. Y.
CASSIDY, JOHN J., JR.....	Newark, N. J.
CHARLES, BYRON F.....	New York City
CHASAN, NATHANIEL.....	New York City
COLEMAN, FRANK D.....	Dover, N. J.
CONKLIN, ROSCOE L.....	Wakefield, N. Y.
COSTA, LOUIS P.....	New York City

COTE, MELVILLE P.	Baltic, Conn.
DICKIE, GEO. W.	Morristown, N. J.
DIEHL, FREDERICK A.	New York City
DOMOOSKY, SOLOMON.	New York City
DONAHUE, FRANK T.	New York City
DOOLITTLE, WILLIAM H.	New York City
DRIESEN, CHARLES M.	New York City
DRYER, SAMUEL.	New York City
DUNN, CHARLES W.	Jersey City, N. J.
DUTROW, RICHARD J.	Frederick, Md.
DYROFF, WILLIAM.	Highland Falls, N. Y.
FERRER, LEON L.	New York City
FILICE, ROBERTO.	New York City
FINEGOLD, SAMUEL.	New York City
FREEDMAN, MAX.	New York City
FRICK, MAX.	Woodcliffe, N. J.
FRIED, LEO H.	New York City
FRIEDLAND, JACOB.	New York City
FRTZ, SAMUEL.	New York City
GALLO, GIOVANNI.	New York City
GARV, JOHN.	New York City
GIORDANO, FRANK.	New York City
GOLDBERG, JACOB.	New York City
GORODESS, ISRAEL.	New York City
GOLDSTEIN, HAROLD.	New York City
GOULKO, MORRIS.	New York City
GREENBAUM, SOLOMON.	New York City
GREINES, ROSE E.	New York City
HAKES, CYRUS D.	Orange, N. J.
HAMLIN, BERTSON A.	Champlain, N. Y.
HENRIQUEZ, GEORGE.	New York City
HOOLEY, FREDERICK L.	Newark, N. J.
HUGHES, HAROLD T.	Utica, N. Y.
JACOBS, SAMUEL.	New York City
KALISH, MORRIS.	New York City
KANTOR, MORRIS.	New York City
KEYROUSE, JOSEPH V.	New York City
KIPNIS, ISIDOR.	New York City
KLAUBER, JOSEPH.	New York City
KLEMPNER, SAMUEL.	New York City
KREPPPEL, HENRY G.	New York City
LACORE, HAROLD R.	Springfield, Mass.
LACOVARA, PHILIP.	New York City
LANGAN, FREDERICK W.	New York City
LEITERMAN, LILLIAN, MISS.	New York City
LENROW, WALTER A.	Newark, N. J.
LEVY, MOSES.	New York City
LICHTNER, ALEXANDER.	New York City
LINFORD, LOUIS G.	Liberty, N. Y.
LOMBARDI, NICHOLAS.	New York City
MCDONALD, ELMER H.	Hackensack, N. J.
McKEOWN, JOHN W.	Perth Amboy, N. J.
McWHORTER, ERNEST K.	Highland Mills, N. Y.
MADONNA, GIOACCHINO.	New York City
MARCUS, SAMUEL M.	New York City
MARQUEZ, Q. BOLIVAR.	New York City

MILLER, JAMES D.	York, Pa.
MIRANDO, JOHN W.	New York City
MORAN, HENRY P.	New York City
MORGULIS, JACOB.	New York City
MUELLER, HENRY.	New York City
MUELLER, SAMUEL I.	New York City
MYERS, CHARLES D.	Cedarhurst, L. I.
NEIMAN, SOLOMON.	New York City
PALUMBO, ADOLPH.	Newark, N. J.
PENTECOSTE, ALFONZO.	Silver Lake, N. J.
PICA, VINCENT.	New York City
PICKER, MEYER.	New York City
PIETRI, HECTOR A.	New York City
QUITTNER, JOSEPH H.	Norwalk, Conn.
RELIN, HYMAN.	New York City
ROCK, WILLIAM.	New York City
ROGERS, GEO. L.	Antwerp, N. J.
ROMANO, ANDREW A.	New York City
SALOMON, MORRIS.	New York City
SANSONE, FRANK.	New York City
SCHNEIBLE, IVAN M.	Rome, N. Y.
SCHWARTZ, ISRAEL.	New York City
SEVERINO, PASQUALE.	New York City
SHORT, GEORGE W.	Calais, Me.
SILVERSTEIN, MEYER.	New York City
SLOPKIN, JACOB.	New York City
SMALLMAN, JAMES, JR.	Highland Falls, N. Y.
SMITH, HAROLD A.	Castleton, Vt.
STIEBERT, EMIL.	New York City
STEIN, MAURICE.	New York City
WARNER, WILLIAM E.	So. Norwalk, Conn.
WEINBERG, HAROLD M.	New York City
WICK, ALBERT E.	Utica, N. Y.
YENDELL, FRED.	Rye, N. Y.
ZUCKER, BENJAMIN F.	Hoboken, N. J.

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### Junior University Class

ARCESE, JOHN.	New York City
ASTARITA, MARION W.	New York City
BARNERT, ISIDORE M.	Paterson, N. J.
BRADNER, ROBERT D., JR.	Newark, N. J.
BRANDT, OTTO, JR.	Newark, N. J.
BRANNIGAN, FRANCIS J.	Ware, Mass.
BREININ, LOUIS.	New York City
CHENEY, GUY A.	Morrisville, Vt.
CORTON, WILLIAM A.	New York City
FINK, JOHN L.	New York City
HERMES, HARRY L.	New York City
LOUGHLIN, JOHN J.	New York City
McNAMARA, JOHN S.	New York City
MACHOL, ARTHUR.	New York City
MAZZONI, PHILIP.	Town of Union, N. J.
MELAMEDE, RALPH J.	New York City
MILLER, HARRY.	Portchester, N. Y.
MONELL, LEON M.	Binghamton, N. Y.

MORRIS, SOLOMON A. ....	New York City
NEUNDORFER, OSCAR, JR. ....	Albany, Ga.
NOBLE, GIFFORD B. ....	New Milford, Conn.
O'CONNOR, WILLIAM A. ....	South Amboy, N. J.
PAPAVASILION, DEMETRIUS. ....	New York City
SCHECHTER, SAMUEL N. ....	New York City
SOLOMON, SIGMUND. ....	New York City
TREAT, DANIEL S. ....	Seymour, Conn.
WEICKER, THEODORE. ....	Stamford, Conn.
WILKINSON, SAMUEL. ....	Livingston Manor, N. Y.

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## Food and Drug Course

SALINITRO, NICHOLAS. ....	New York City
STACOM, WILLIAM B. ....	New York City

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## Graduate Course

JANER, JOSÉ. ....	San Joan, P. R.
KRAPF, EMILE F. ....	New York City
MCBRIDE, CHARLES A. ....	Rutherford, N. J.
SCAVO, JOHN. ....	New York City
STEFFENS, JOHN A. ....	New York City
ULANOFF, FRANCES, MISS. ....	New York City

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## Summary

Senior Classes .....	124
Junior Classes .....	145
Food and Drug Course .....	2
Graduate Course .....	6

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## SUMMER SESSION

### Administrative Board

Professor EGBERT, Director  
Professor WOODBRIDGE,  
Professor HERVEY, Registrar  
Mr. KEPPEL, Secretary of the University  
Mr. FURST, Secretary of Teachers College

### Recorder

Miss WADELTON

## OFFICERS OF INSTRUCTION

### Session of 1909

#### In the University Faculties and Schools

*Professors and Adjunct Professors*—BAGSTER-COLLINS, BOTSFORD, BURTON-OPITZ, CURTIS, DEWEY, GIDDINGS, GRABAU, HERVEY, JORDAN, KASNER, MCCREA, MCGREGOR, MACLAY, MAYER, MONTAGUE, MORGAN, REMY, SHERMAN, TOMBO, TRENT, VULTÉ, WOODBRIDGE, WOODWORTH.

*Instructors*—AYRES, BRAUN, COLE, DAVIS, Miss EARHART, FITZGERALD, Miss FREEMAN, Miss FULMER, HAIGHT, HALL, HARRIMAN, HAYES, LING, MCCASTLINE, NOYES, PEGRAM, Miss SAGE, WEICK, WILLIAMS, Miss WINCHELL.

*Tutors*—BEANS, Miss BENTON, BROWN, GERIG, HEUSER, HUMANN, JOÛET, MAXSON, MULLER, NELSON, SICELOFF, THATCHER, Miss WHITLEY.

*Lecturers*—ANDREWS, FURST, TURNER.

#### Other Officers of Instruction

CARRIE VAN R. ASHCROFT, B.S., *Physical Education*; CHARLES SEARS BALDWIN, Ph.D., *English*; JOHN SPENCER BASSETT, Ph.D., *History*; WILBUR PARDON BOWEN, M.S., *Physical Education*; FRANCIS BROWN, D.D., LL.D., *Biblical Literature*; EDOUARD P. BAILLOT, *Romance Languages*; JESSE DISMUKES BURKS, Ph.D., *Education*; EDWARD P. CHEYNEY, A.M., *History*; J. ROSE COLBY, Ph.D., *Education*; ROSSETTER GLEASON COLE, Ph.B., *Music*; ALFRED T. DE LURY, A.M., *Mathematics*; RAYMOND DODGE, Ph.D., *Psychology*; ANDREW WHEAT-

LEY EDSON, A.M., *Education*; FREDERIC ERNEST FARRINGTON, Ph.D., *Education*; JAMES EVERETT FRAME, A.M., *New Testament Literature*; WILLIAM SUDDARDS FRANKLIN, Sc.D., *Physics*; ERNEST NORTON HENDERSON, Ph.D., *Education*; FRANK H. HILLYER, *Manual Training*; EDWIN WALTER KEMMERER, Ph.D., *Economics*; ALICE CYNTHIA KING, A.M., *Education*; GEORGE WILLIAM KNOX, D.D., LL.D., *Philosophy and History of Religion*; GORDON FERRIE HULL, Ph.D., *Physics*; GEORGE PHILIP KRAPP, Ph.D., *English*; ARTHUR A. LIVINGSTON, A.B., *Romance Languages and Literatures*; GERHARD RICHARD LOMER, A.M., *Kindergarten*; ROLLO LU VERNE LYMAN, A.B., *Public Speaking*; CHARLES T. MCFARLANE, D.Pd., *Geography*; GRACE HARRIET MACURDY, Ph.D., *Greek*; EDWARD ROSE MAURER, B.C.E., *Mechanics*; HARRY STUART MICHIE, *Design and Painting*; CHARLES LEE RAPER, Ph.D., *Economics*; JOHN CAREW ROLFE, Ph.D., *Latin*; SETH THAYER STEWART, LL.B., *Physical Education*; CHAUNCY R. THOMAS, *Manual Training*; OLIVER S. TONKS, Ph.D., *Fine Arts*; JOHN BROADUS WATSON, Ph.D., *Psychology*; ALFRED C. THOMPSON, *Education*; HARRY LANGFORD WILSON, LL.D., *Latin*; IRVAH LESTER WINTER, A.B., *English*; FREDERIC A. WOLL, *Physical Education*; MARY WOODS, *Manual Training*.

#### Assistants

MARY PORTER BEEGLE, *Physical Education*; CLARA RACHEL BENNETT, *Education*; WILLIAM H. BOYNTON, *Domestic Science*; JOSEPH V. BREIWEISER, *Psychology*; W. B. CATLIN, *Sociology*; CHESTER A. DARLING, *Botany*; ETHEL P. DULLAM, *Education*; DAYTON JAMES EDWARDS, *Zoölogy*; HERMON WALDO FARWELL, *Physics*; MRS. FLORENCE FREAR, *Domestic Art*; EDWARD HALL GARDNER, *English*; ALEXANDER OSCAR GETTLER, *Chemistry*; CANUTE HANSEN, *Physical Education*; FLORENCE MARY HEALY, *Physical Education*; MICHAEL HEIDELBERGER, *Chemistry*; ALFRED HOFFMAN, *Chemistry*; GEORGE THOMAS HOLM, *Swimming*; ELIZABETH JOHNSON, *Education*; FREDERICK H. LEUCHS, *German*; LEIGHTON B. MORSE, *Physics*; WILLIAM S. NELMS, *Physics*; WILLIAM HAROLD PETERSON, *Chemistry*; MARGUERITE A. RUE, *Manual Training*; HENRY ALFORD RUGER, *Psychology*; WILLARD LESLIE SEVERINGHAUS, *Physics*; ROXANA STEEL, *Education*; ARTHUR IRVING TAFT, *English*; ALICE THOMPSON, *Education*; ISARDO THOMPSON, *Domestic Art*; ANNA C. THORNTON, *Physical Education*; ELIZABETH THOMPSON, *Education*; EDITH M. TUFTS, *Education*; WALTER GEORGE WHITMAN, *Chemistry*; WEALTH A. WILSON, *Domestic Science*; ELVIRA WOOD, *Geology*, WILLIAM JACOB KRAFT, *Organist*.

#### GENERAL STATEMENT

The tenth Summer Session of the University opened July 7, 1909, and closed August 18. The registration days for the Summer Session

were July 2, 3 and 6. Examinations for certificates were held on August 18.

Courses were offered to men and women on equal terms, in architectural and freehand drawing, biblical literature, botany, chemistry, design and painting, domestic art, domestic science, economics, education, English (including rhetoric and composition), fine arts, geography, geology, German, Greek, history, kindergarten, Latin, manual training, mathematics, mechanical drawing, mechanics, music, philosophy and religion, physical education, physics, physiology, psychology, Romance languages, sociology, and zoölogy.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for diplomas in teaching is given upon the satisfactory completion of the course, including the final examination.

#### Fees

(See page 39)

The tuition fee for the Summer Session is \$30, which covers courses of instruction aggregating six points credit, the normal limit allowed by the regulations.

For the *Announcement* of the Summer Session of 1910, which will open July 6 and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

#### Summer Courses in Medicine

The seventh series of Summer Courses in Medicine for men was offered in 1909. Courses were given in applied therapeutics, clinical pathology, dermatology, genito-urinary diseases, gynecology, hydrotherapy, laryngology, medical diagnosis, neurology, obstetrics, ophthalmology, orthopedic surgery, otology, pharmacy, physical diagnosis, physiology, and surgery.

This work will be continued in the summer of 1910, and persons interested are requested to apply for the *Announcement* of the Summer Courses in Medicine, which will be furnished without charge upon application after February 1 to the Secretary of the University.

#### Registration, Session of 1909

Copies of the separately printed *Directory of the Summer Session*,

1909, may be had upon application to the Secretary of the University. In this catalogue, at the end of the Register of Students under each Faculty, will be found a list of the Summer Session Students of 1909 who matriculated under that Faculty, but who did not return to register in September.

## SUMMARY

I. Non-matriculated .....		1023
II. Matriculated:		
1. Columbia College .....	110	
2. Barnard College .....	34	
3. Mines, Engineering and Chemistry.....	139	
4. Fine Arts. ....	5	
5. Political Science.....	41	
6. Philosophy.. ....	258	
7. Pure Science .....	60	
8. Teachers College.....	276	
		<hr/> 923
Summer Course in Medicine:		1946
1. Non-matriculated.....	14	
2. Matriculated .....	8	22
		<hr/>
Total .....		1968

## EXTENSION TEACHING

### ADMINISTRATIVE BOARD

JAMES EARL RUSSELL, LL.D.,  
*Dean of Teachers College, Chairman*

ADOLPHE COHN, LL.B., A.M.,  
*Professor of the Romance Languages and Literatures*

FRANKLIN THOMAS BAKER, A.M.,  
*Professor of the English Language and Literature*

HERBERT GARDINER LORD, A.M.,  
*Professor of Philosophy*

FREDERICK HENRY SYKES, Ph.D.,  
*Professor of English, Director of Extension Teaching*

### OFFICERS OF INSTRUCTION

#### In the University Faculties and Schools

*Professors and Adjunct Professors*—HAMLIN, JACKSON, COHN, CLARK, PELLEW, BAKER, PARKER, DODGE, MONROE, DUTTON, CRAMPTON, THORNDIKE, GRABAU, WOODBRIDGE, SYKES, LOISEAUX, HERVEY, TOMBO, STOUGHTON, SPINGARN, DOW, SHEPHERD, SNEDDEN, REMY, MONTAGUE, JORDAN, CURTIS, MITCHELL, WARREN.

*Instructors*—HARRIMAN, SLEFFEL, NOYES, BRAUN, BERKEY, FULMER, BARROWS, ZERBE, GERIG, MULLER.

*Tutors*—NEISH, HUESER, MAXSON, SICELOFF, TENNEY, BECHERT, BROWN, PORTERFIELD, COOLEY, WESTCOTT, THOMAS.

*Lecturers*—SMITH, RICHARD, TASSIN, AGGER, HAYES (C.H.), BOLLERT, LUDLOW, LIVINGSTON, SAIT, HUTH.

*Assistants*—MACGREGOR, FOOTE, DASCHBACH, GREIFF, ARMSTRONG, ROANTREE, ALLEN, WILLIAMS, WYE.

#### Other Officers of Instruction

CLYDE FURST, A.M., *English Literature*; RICHARD MORSE HODGE,



D.D., *Biblical Literature*; DANIEL GREGORY MASON, A.B., *Music*; CLAYTON M. HAMILTON, A.M., *English*; CHARLES JOHNSTON, *History*; ARTHUR ALEXANDER STOUGHTON, Ph.D., *Architecture*; CALVIN BRAINARD CADY, *Music*; WALTER BOUGHTON PITKIN, A.B., B.D., *Philosophy*; CHARLES GALWEY, A.B., *English*; ALBIN HERMANN BEYER, C.E., *Structural Design*; ALLEN M. KNOWLES, B.C.E., *Structural Design*; HARRY BRADFORD POND, S.B., *Structural Design*; OTTO V. HUMANN, *Fine Arts*; ELIZABETH G. BALDWIN, *Library Economy*; MICHAEL MARKS DAVIS, JR., Ph.D., *Political Science*; LOUIS EUGENE JALLADE, *Architecture*; CLARENCE HUDSON WHITE, *Fine Arts*; WALTER GEORGE WHITMAN, A.B., *Chemistry*; THEODORE C. MITCHILL, A.M., *English*; FAYETTE B. DOW, A.B., *English*; SARAH JANE FREEMAN, A.B., *Manual Training*; NATHANIEL E. GRIFFIN, Ph.D., *English*; ALFRED W. MARTIN, A.M., *English and History*; JOSEPH I. TYNAN, A.M., *English*; CLAUDE F. WALKER, Ph.D., *Analytical Chemistry*; FRANCIS J. WHITE, E.E., *Electricity*; FREDERICK REGINALD PEYGRAN, *Stenography*; FRANK BOHN, Ph.D., *History*; D. EARLE BURCHELL, A.M., *Business Administration*; ADÈLE CAZIN, A.M., *Physical Science*; GRACE LOUISE COOK, A.M., *English*; FREDERIC T. COOPER, A.M., *English*; JESS C. JURGENSEN, *Plant Management*; WILLIAM LESLIE, C.P.A., *Accounting*; EUGÈNE MALONBIER, B. ès L., *Romance Languages and Literatures*; NELSON P. MEAD, Ph.D., *Politics*; JOHN W. PARKS, LL.B., *Law*; SETH T. STEWART, LL.B., *Physical Education*; EDGAR S. STOWELL, *Music*.

## GENERAL STATEMENT

1. Extension Teaching is defined by the Statutes of the University as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students not able to attend the regular courses of instruction.

Extension Teaching is under the immediate supervision of an Administrative Board and the Director of Extension Teaching. The relation of Extension Teaching to the other work of the University is subject to the jurisdiction of the University Council.

Extension Teaching facilitates and directs instruction for students not in academic residence by means of various courses of instruction given at special times and places, both at the University and elsewhere. The University thus offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue some subjects included in a liberal education, and to make progress, if they so desire, towards a diploma in teaching or an academic degree.

2. Subject to the general authority of the University Council, the

weight to be attached to attendance upon an Extension course, on the part of a student who subsequently makes application to be admitted to candidacy for a degree or diploma, is fixed by the appropriate Faculty or Administrative Committee.

### COURSES OF INSTRUCTION

The courses offered by Extension Teaching are as follows:

I—Collegiate Courses. These are courses that repeat at special hours or places the courses in liberal studies offered in the colleges of the University—particularly Columbia College and Barnard College. These are given, one or more hours weekly, during the college year, for thirty weeks of actual instruction. They are given in the same manner, and often by the same instructors, as the corresponding courses in the Colleges. University credit, when granted, attaches to these courses as to courses of instruction in the Colleges.

II—Professional and Technical Courses for Teachers. These are courses offered in coöperation with Teachers College, both at the University and in local centres to teachers in active service, who can avail themselves of these courses to get instruction in the psychology, history, and principles of education, special methods of teaching, particularly in elementary work, and technical instruction in the fine and manual arts.

III—Evening Technical Courses. These are courses given with the coöperation of the School of Applied Science and the School of Architecture of the University, and certain technical departments of Teachers College. They are intended to meet the requirements of technical and professional workers who desire to get instruction at night from University instructors in technical courses modified to their particular needs.

IV—Evening Courses in Commerce. These courses are intended to offer instruction of collegiate grade on industry, commerce, and finance, to men and women engaged in business; to college students who wish to enter the field of business, especially as secretaries, and to graduates of normal schools and college students who desire to fit themselves as teachers of commercial subjects.

V—Lecture Courses. These are short courses of lectures which are not accepted towards the fulfilment of requirements for degrees or diplomas. They are intended for general audiences, and are given only in local centres.

Students attending courses at the University pay usually at the rate of \$10 for each course of one hour a week for thirty weeks. In local centres they pay the fee determined by the local centre.

Courses given in local centres usually cost the centre from \$260 to \$500 for a credit course, and \$90 to \$150 for a lecture course, the difference depending on the difficulty of the course and the rank of the lecturer.

For detailed information as to the places and hours for these courses both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees and diplomas, attendance and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1909-10*, which may be obtained without charge upon application to the Secretary of the University.

#### COLLEGIATE AND PROFESSIONAL COURSES

For 1909-10 credit courses are offered to non-matriculated students and to matriculants who obtain permission of their dean, as follows:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Architecture.....	1	Entrance Latin.....	2
Biblical Literature.....	3	Manual Training.....	3
Botany.....	3	Mathematics.....	4
Chemistry.....	3	Music.....	8
Comparative Literature	1	Philosophy.....	4
Education.....	3	Physical Education....	1
English.....	30	Physical Science.....	2
Fine Arts.....	6	Political Science and	
Geology.....	3	Social Science.....	3
German.....	8	Politics.....	1
History.....	6	Romance Languages	
Kindergarten Education	2	(French 8, Italian 1	
		Spanish 2).....	11

#### TECHNICAL COURSES

The following evening courses are offered at the University:

Architecture.....	4	co-operation with	
Chemistry.....	1	Teachers College)....	4
Commerce.....	7	Mathematics.....	4
Electricity.....	2	Mechanics.....	3
Fine Arts.....	6	Plant Management....	1
Industrial Arts.....	1	Structural Design.....	4
Industrial Arts (in		Surveying.....	1

#### LECTURE COURSES

For 1909-10 the following lecture courses, each having usually six lectures, are offered for delivery at the invitation of local centres:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Architecture.....	8	Indo-Iranian.....	5
Astronomy.....	2	Manual Arts.....	2
Chemistry.....	5	Metallurgy.....	1
Comparative Literature	3	Music.....	12
Domestic Science.....	4	Philosophy.....	1
Education.....	7	Political Science.....	8
English.....	20	Romance Languages	
Fine Arts.....	7	(French 7, Spanish	
Geography.....	6	3).....	10
German.....	9	Zoölogy.....	2
History.....	13		

## DEGREES CONFERRED DURING 1908-09

### COLUMBIA COLLEGE

#### Bachelor of Arts

ARTHUR DOUGLAS ALEXANDER	BRUNO RALPH KUDLICH
DAVID EUGENE AMIDON	HAROLD STRONG LATHAM
WILLIAM ALMON ANDREWS	ISRAEL HERBERT LEVINTHAL (February 1)
DONALD ARMSTRONG (February 1)	SIDNEY LIEBOVITZ
ROBERT HAROLD BAGNELL (October 1)	GEORGE EDWARD LODER
WILLIAM HOWARD BARBER	MICHAEL HEILPRIN LOVEMAN
ALBERT LOUIS BAUM	FREDERICK HEWLETT McCOWN
HARRY BIJUR (October 1)	JAMES C. MACKENZIE
PELHAM ST. GEORGE BISSELL, JR.	EDWIN TAYLOR MAYNARD (October 1)
OSCAR SAMUEL BLINN	LEO MEHLER (February 1)
HARRY BEARDSLEE BRAINERD	JOHN WARD MELVILLE
EMIL BREITENFELD	SANDFORD LAWRENCE MILLER (October 1)
LOUIS ALEXANDER BROWN	THOMAS CHARLES MORGAN
WILLIAM HORI BROWN, JR.	WENDELL RODERICK MORGAN
WILLIAM GOODMAN CANE (October 1)	ARTHUR BRUCE MOSS
RHYS CARPENTER	JAMES WHEATON MOTT
DOMINICK CASSETTA (October 1)	CHARLES HALPIN NAMMACK
MICHAEL NELSON CHANALIS	THOMAS POLLOCK OAKLEY
ANDREW MIDDLETON CHILD, JR.	ALFRED OGDEN
JAMES LIVINGSTON COBB	WINSTON ALEXANDER PAUL
MCALISTER COLEMAN	WILLIAM HENRY DANNAT PELL
GEORGE BROKAW COMPTON	HERBERT FRANCIS PEYSER
HAROLD AUGUSTUS CONTENT	PAUL LOUIS RAPP
JOSEPH SIEBERT CORBETT	STANLEY HARNED RENTON
ROGER FERNANDEZ CRIADO	JAMES POOLE ROME (February 1)
CHARLES EUSTACE DWYER	LEOPOLD OPPER ROTHSCHILD
LEWIS EPSTEIN	MALCOLM MILLER ROY
GEORGE MUNRO GOODWIN	TRUMAN BARTLETT SAGE
JAMES EAKINS GRAY	NATHAN SALSBUURY
PERCY FRANK GRIFFIN	BENTON SANDERS
ARTHUR GUNTHER	JEROME SANDEL SCHAUL
RAYMOND DRAKE HALSEY	RICHARD SCHEIB
JOHN GEORGE HANRAHAN, JR.	AMOS COTTING SCHERMERHORN
GEORGE CHRISTOPHER HANSON	JACK WALTER SCHIPPER
JOHN ODELL HAUSER	WELLES HAMILTON SELLEW
CHARLES HERSHENSTEIN	HERBERT CALVIN SKINNER
HAROLD HENRY HERTS	MARTIN DeFOREST SMITH
SAMUEL THOMSON HOLLISTER	RICHARD HAVILAND SMYTHE
CHARLES WARREN HUNT, JR.	ROBERT STEPHENSON
CARL FRITZ HÜTTLINGER	HAROLD WILLIAMS TAYLOR
CARL EBERHARD KAYSER	WILLIAM ARTHUR TRIPP
EUGENE EDMUND KELLY	ALBERT ERNEST TURPIN (February 1)
CHARLES FREDERIC KENNEDY	BURNET CORWIN TUTHILL (February 1)
VI KYUIN WELLINGTON KOO (October 1)	WINFIELD SCOTT WARDELL, JR.



DAVID WEINSTEIN  
[91]

OSCAR VICTOR WERNER  
JAMES MacDONALD WOOD, JR. (October 1).

### Bachelor of Science

JACOB JAY ALTERMAN  
ALEXANDER APPEL  
DANIEL FRANCIS BECKINGHAM  
FRANCIS STUART CHAPIN  
IRA COHEN  
MILES CHESTER COMSTOCK (October 1)  
WILLIAM HENRY DEACY, JR.  
HERMAN GOLDEN  
RAY ABNER GOLDSTEIN  
MELVIN GUTMAN  
RUDOLF HAHN  
CHARLES LIONEL MARCUS  
[25]

FREDERIC STEARNS MEAD, JR.  
SAMUEL MELITZER  
THEODORE ROOSEVELT MURRAY  
ABRAHAM NEWMAN  
NORRIS LINDSAY NORDEN  
HICKMAN PRICE  
WALTER EVERETT ROLLINS  
WILLIAM C. ROUX  
FRANCIS SALZANO  
DANIEL DENISON STREETER, JR.  
ALBERT TORTORA (October 1)  
ALVIN LOUIS VIRGIL WIEHLE (February 1)  
WALTER DAVID WILE

### BARNARD COLLEGE

#### Bachelor of Arts

MATHILDE ABRAHAM  
HELEN LOUISE AIGUIER  
LEE FRANCES ALEXANDER  
GLADYS STOKLEY ARKENBURGH  
BEATRICE MARGUERITE ARON  
WINIFRED BARROWS  
EVA ELISE VOM BAUR  
BEATRICE BEEKMAN  
UNA MIRRIELES BERNARD  
HELENE MARIE BOAS (February 1)  
MARION ALICE BOYD  
EMMA BUGBEE  
ANTOINETTE LARTIQUE CARROLL  
EDNA MARIE CASSEBEER  
JESSIE ISABELLE COCHRAN  
MARGIE ELIZABETH DANN  
HAZEL LUCILE DAVIES  
CECILE CATHERINE CAMILLE DEBOUY  
MARY CELIA DEMAREST  
JOSEPHINE AGNES DEMPSEY  
HANNAH CAROLYN FALK  
ZORAIDA FELTUS  
ANTOINETTE FRANSIOLI  
MARGARET HUDDLESTON FRINK  
ELEANOR GAY  
MARY FRANCES GODLEY  
JULIA GOLDBERG  
ETHEL LIZZIE GOODWIN  
ANNA MIRIAM GORDON  
ALICE CATHERINE GRANT  
THEODORA HALL  
ELFRIDA HARDER  
RUTH GILLETTE HARDY

ELINOR ISABEL HASTINGS  
HILDA WARREN HEDLEY  
RITA HOCHHEIMER  
ETHEL WENTWORTH HODSDON  
MARY ELIZABETH HOLLAND  
MARY RANKIN HOLLAR  
ANNA SOPHIE HOLM  
EVELYN HOLT  
HELEN SARA HOYT  
JENNIE FIELDS WARREN HUBBARD  
FRANCES MAY INGALLS  
ETHEL MARGUERITE IVIMEY  
ALICE GRANGER JAGGARD  
PAULINE DUSTIN JOHNSON  
EDITH JOSEPHI  
MARGARET FRANCES KENNEY  
LOIS KERR  
MARIE BERNADETTE KING  
VERA ELEANOR KLOSTER  
VERE KUPFER  
JESSIE LEVY  
UNA LOGAN  
MYRA McLEAN  
HELEN McPHERSON  
LENA MANDEL  
EUNICE HOTALING MILLER  
HORTENSE DEAN MURCH  
HELEN NEWBOLD  
ETHEL NYITRAY  
JOSEPHINE GERTRUDE O'BRIEN  
ELLA OPPENHEIM  
EDNA PHILLIPS  
HELEN SARAH PHILLIPS

MARY GLADYS QUINBY (October 1)	ADELAIDE ELLEN SMITHERS
NELLIE EDNA RICH	HERLINDA GENOVEVA SMITHERS
ADELAIDE AGNES RICHARDSON	MAY BELLE STARK
OLGA EMMA RILKE	MABEL FRIEDA STEARN (October 1)
ANTOINETTE RIORDON	RUTH KATE STOWELL
ELIZABETH DEVEREUX ROBINSON (October 1)	MARY ELIZABETH SWENSON
SARA ROME	EDITH MAY TALPEY
FANNIE ROSENFELDER	LUCY IRENE THOMPSON
BLANCHE SAMEK	LAURA SHEARER TURNBULL
EDNA REBECCA SCALES	ANNA UNDERWOOD
HELEN GERTRUDE SCHEUER	GEORGIA ANNA VER PLANCE
EDITH CHRISTINE SEGUINE	JOSEPHINE RAY WEST
BYRDE BELLE SHALE	LOIS BESSIE WESTAWAY
ELSIE SMITH	HILDA WOOD
MAUDE CATHERINE SMITH	MILDRED WOODHULL
[98]	FLORENCE SIMS WYETH
	JENNIE DWIGHT WYLIE

## Bachelor of Laws

ROGER HAMLIN ANDERSON, A.B.	DUDLEY E. LATHAM, Ph.B.
GUY TURNER ARMS, A.B.	BERTRAM LEVY, A.B.
EDWARD CASHMAN BAILLY, A.B.	FRANK C. MCKINNEY, A.B.
ADOLPH BANGSER, A.B.	ALBERT TOUZALIN MAURICE, A.B.
JAMES FRED BARBER, A.B.	MARION BARNWELL PIERCE, A.B.
AMADIO AUGUST BERTINI, A.B.	HARLAN READ, B.L.
LOUIS BEVIER, 3d, A.B.	STANLEY CLIFTON RIDDLE, B.S.
CHARLES JOHN BUCHNER, JR., A.B.	ARTHUR WERNER RINKE, A.B.
BENJAMIN R. BUFFETT, A.B.	CHARLES MCGIBENG ROBERTS, Ph.B.
HARRY CRONE, A.M.	HAROLD JOSEPH ROIG, A.B.
WALTER S. DOERNBERG, A.B.	BERNARD ABRAHAM ROSENBLATT, A.B.
FAYETTE BROWN DOW, A.B.	FRANKLIN PIERCE SCHAFFER, A.B.
RALPH WATSON DOX, A.B.	WALTER M. SCHWARZ, A.B.
DALE DAVID DRAIN, A.B.	GEORGE CARLTON SHAPER, A.B.
KERNER EASTON, A.B.	ALVIN THEODORE SHAPINSKY, A.B.
ERNEST JUDSON ELLENWOOD, Ph.B.	WILLIAM B. SHELTON, A.B.
FLOYD ELMO ELLIS	DUDLEY FRANK SICHER, A.B.
NATHAN HAWTHORNE FEITEL, A.B.	ELY SIMPSON, A.B.
CHARLES HAROLD FLOYD, B.S.	CHARLES GOLDEN SNEAD, JR., A.B.
PAUL FOLGER, A.B.	KENNETH MONROE SPENCE, A.B.
F. GUALDO FORD	ALFONSE FRANK SPIEGEL, A.B.
RALPH MENDENHALL FRINK, A.M.	EDWARD FREDERICK SPITZ, A.B.
NORMAN S. GOETZ, A.B.	WILLIAM BUELL SPRAGUE, A.B.
PERCY ADOLPHUS GORDON, A.B.	EDWARD OTIS STANLEY, JR., A.B.
SINCLAIR HAMILTON, A.B.	WATKIN POWELL STURTEVANT, A.B.
WILLIAM WOODHULL HAY, A.B.	MAX TACHNA, A.B.
BERNARD HERSHKOPF, B.S.	ALBERT EDWARD THORNTON, A.B.
ALFRED HOUSTON, A.B.	CHARLES MABBETT TRAVIS, A.B.
RAPELJE HOWELL, A.B.	CHARLES TROSK, B.S.
LISTON JACKSON, A.B.	CARL WICKE, A.B.
ALFRED JOHN JOLLON, A.M.	ERIC JOHANN WILLIAMS, A.B.
LEONARD JUDSON, A.B.	BOYD DOUGLAS WISE, A.B.
LUCAS CARLISLE KELLS, A.M.	LOUIS JACOB WOLFF, A.B.
LAWRENCE KLINDT KENTWELL	ISAAC MAURICE WORMSER, A.B.
[69]	EDWIN H. ZION, A.B.

## Doctor of Medicine

HARRY ABRONS	FLETCHER IRVIN KRAUSS, A.B.
PHINEAS HILLHOUSE ADAMS, A.B.	SAMUEL KUTSCHER, Ph.G., Ph.C.
ALEXANDER ECKEL BRYAN ALFORD	JOHN JOSEPH LANCER
JAMES SIDNEY AMES, Ph.B.	RAE THORNTON LAVAKE, A.B.
DANIEL ROE AYRES, A.B.	MIGUEL LAVANDERA
ARTHUR JEROME BENDICK	GEORGE DUNLAP LYMAN, A.B.
NELSON KINGSBURY BENTON, A.B.	JOHN OLIVER McDONALD, A.B.
ALVIN PHILLIPS BLOCK	FRANK NESLER MANDEVILLE, Ph.B.
HUGO BLUM	HARVEY BURLESON MATTHEWS, B.Sc.
WILLIAM M. BRADSHAW, A.B.	LEO MAYER, A.B.
KENNETH BULKLEY, A.B.	DUDLEY HENRY MORRIS, A.B.
SIDNEY ROGERS BURNAP, A.B.	WALTER WESLEY MOTT, A.B.
FRANCIS WILLIAM CAMPBELL, A.M.	HIRAM OLSAN, Ph.B.
JOHN FRANCIS CASEY	HAROLD ENSIGN BENNETT PARDEE, A.B.
FRANK SAMUEL CHILD, JR., Ph.M.	FRED WADE PATON, A.B.
SIDNEY COHN, A.B.	JOSEPH POPPER
JOSEPH BIRD COWHERD, B.S.	LAURENCE FREDERICK RAINSFORD, A.B.
SALIM HANNA DIK, A.B.	ALONZO AINSWORTH RANSON, A.B.
TIMOTHY FRANCIS DONOVAN	CHARLES HYATT RICHARDSON, JR., Ph.B.
FREDERICK JOHN ECHEVERRIA, A.B.	JACOB ROSENBLUM, B. S.
SAMUEL EHRENREICH	MEYER ROSENZOHN, B.S.
EDSALL DUBOIS ELLIOTT, A.B.	LEO BROOKS ROSENTHAL, A.B.
HERBERT EMSHEIMER, A.B.	MILTON SCHAE
JOHN THEODORE ENGLISH, Ph.B.	THOMAS JAMES BARTLEY SHANLEY
EDWARD RICHARD EVANS, A.B.	FRANK CARLIER SMITH
JOHN HINMAN EVANS, A.B.	FORDYCE BARKER ST. JOHN, B.S.
EDGAR FAUVER, A.B.	STANLEY HAROLD STEINER, A.B.
EDWIN FAUVER, A.B.	VICTOR EYTINGE STORK, A.B.
WILLIAM ERNEST FINDEISEN	FRANCIS IGNATIUS STUART, M.D.
JOHN RUSSELL FOSHAY	ARTHUR GEORGE SULLIVAN
ROBERT HENRY FOWLER, A.B.	GLEN JOHN TEN BROOK (October 1)
CLIFFORD HARRY FULTON, A.B.	TOMAS ANTONIO VIÑA Y ALMAZAN
ABRAHAM JOSEPH GOSSETT	SIMON FRANKLIN WADE, A.B.
FRARAY HALE, JR., B.S.	JOHN WOODWARD WALTHER
DWIGHT RUGGLES PERRY HEATON, A.B.	DREW MALLON WARDNER, A.B.
RALPH HALLADAY HEWITT, A.B.	DAVENPORT WEST, A.B.
ALEXANDER HOFHEIMER, A.B.	MAURICE LOUIS WIESELTHIER, A.B.
CLARENCE ELMER HYDE, A.B.	FRED WOOTEN WILKERSON
EDMUND RANDOLPH PEASLEE JANVRIN, A.B.	KENWAY THOMAS WILLIAMS, M.R.C.S., L.R.C.P.
WILLIAM CLINTON JOHNSON, A.B.	BENNO MAURICE WRONKER, A.B.
OAKFORD ALLAN KELLS, M.D.	ROBERT MOSELEY YERGASON
[83]	HARRY BERNARD ZIMMERMANN

## Engineer of Mines

ROBERT ANNAN	VICTOR HARTOG, E.M., B.S. (February 3)
JOEL ALLAN BATTLE, JR.	GEORGE LESTON HELMRICH
GEORGE ALLMAND BL	HOWARD WALDO KITSON
CHRISTOPHER LESLIE BRUNS, JR.	HERBERT S. KOHLBERG, B.S.
WILLARD WALKER CUTLER, JR., B.S.	LESLIE MONTEFIORE KOZMINSKY
GEORGE WILLIAM DANIEL (October 1)	JOHN CHRISTIAN LEWIN (February 3)
THEODORE EARLE	PRESTON ERIE LOCKE
HORACE ALPHONSE FULD	FRANCIS NAPIER LUND (February 3)
PAUL WHITEFIELD GAEBELEIN	DONALD GAZLAY MILLER

WILLIAM BRUCE MONTGOMERY, JR., B.S.	FREDERICK LOUIS RUPP (February 3)
WILFORD BARBER MUCKLOW	GEORGE MAHLON SELLERS (October 1)
BENTON OVERMAN	ALBERT LEEDS STILLMAN, A.B.
WILLIAM ROLAND OWEN, JR. (October 1)	THOMAS KNAPP TAFT (February 3)
GEORGE WASHINGTON RODDEWIG	HENRY JAMES WEST, A.B.
[29]	JOHN JACOB WOLPERSPERGER, A.B.

## Metallurgical Engineer

GEORGE FREDERICK COMSTOCK, A.B.	DAVID AUBREY MORRIS
WILLIAM THEODORE KOKEN	HERBERT WINFRED WALTER, B.S.
[4]	

## Civil Engineer

BENJAMIN ASCHER, B.S.	ABRAHAM ALEXANDER LOEWY
HENRY GRINNELL BABCOCK (October 1)	CHARLES MAYER, A.B.
BENJAMIN FRANKLIN BENNETT, JR.	KENNETH MOTT
LUDESCU MORRIS BERNFELD	SAMUEL NATHAN
JULIUS ECKMANN, B.S.	LEONARD D. NORSWORTHY
WILBUR EARLE FERGUSON	CHARLES SIMPSON ROBERT (October 1)
EDUARDO JOSEPH FOSSAS	MONTEPIORE ROTHSCHILD
HAROLD GENER GUITERAS	TRIFON VON SCHRENK
JOHN ALBERT HOAG	HAROLD EDMUND SLADE
CHARLES HENRY HOWE	CURTIS PENDLETON SNOOK (February 3)
SIGMUND LANDSMAN	DAVID BERNARD STEINMAN, B.S.
OSCAR HJALMAR LINDGREN, M.E. (October 1)	GILBERT PALMER VULTÉ
[25]	DOUGLAS BLEECKER WILLIAMSON

## Electrical Engineer

WILLIAM AUSTIN ALEXANDER (February 3)	FREEMAN WINNER KENNEDY
RUDOLPH CHARLES BERGMANN	JOHN EDWARD KLEIN, A.B.
WILLIAM CUTLER BLACKWOOD	HERMAN ARNOLD KRIVULIN, A.B.
ERNEST F. BLISS	LEO STEPHEN LOOMIE
BIAGGIO PETER CERUSSI	FRANK LOUIS MASON
HUGO COHN	JOHN PARET ROCKWOOD
HARRY ARMIN DEUTSCH	JOHN JOSEPH RYAN
WILLIAM FONDILLER, B.S.	BENJAMIN SPITZER
GEORGE ELLIS HUTCHINSON	MAJOR LEE WHITE
CARL PHILIP JORDAN	RALPH LEE WHITE
[20]	

## Mechanical Engineer

RICHARD OLIVER BONNER	LOUIS MATZ
ALBERT HUGO BORCHARDT	C. LOUIS MEYER
LINDEN WENTZEL BRIDGEMAN	WILLIAM P. MILTENBERGER
PAUL FITZ-GERALD BROPHY	JOHN ARZA PECK, JR.
CLIFFORD SHEPARD HAIGH	HENRY WATERMAN REMINGTON, JR.
FRANK ANDERSON HAVES, A.B.	MYRON WESLEY RICE
HARRY WILLIAM HENES	HERBERT SAGE SCHOONMAKER
HAZEN LUERTUS HOYT, JR.	JUSTIN ORMISTON SCHWARZ
HAROLD OWEN KNAPP	CHARLES O'CONOR SLOANE, A.B.
EDWARD KNOBLOCH	HAROLD EDWIN VEHS�AGE, A.B.
CHARLES MARCUS, A.B.	GEORGE LELAND YOUNANS
[22]	

## Bachelor of Science in Chemistry

ELLIOT RITCHIE ALEXANDER (October 1)	HANS KIERSTEDT HUDSON (February 3)
CHARLES CREW	ROBERT SCHWARZ
IRVING HOCHSTADER	HOWARD JOSIAH STAGG, JR.
[6]	

## Chemical Engineer

JESSE BRIGHT BARNITT	ADOLPH WIENER LISSAUER
BERTRAM EZEKIEL	PAUL LEAVENWORTH McCULLOCH
HERMAN FREDERICK KUDLICH, JR.	EDWARD SCHRAMM, B.S.
[6]	

## Bachelor of Science in Architecture

ARMAND VICTOR BERG	HERMAN KAHLE
CARL ADOLPH ESSELBORN	GERARD PITT
HARRY DRUM HUGHES	BEVERLEY ROBINSON
[6]	

## Bachelor of Architecture

WILBUR N. ALBERTSON	YASOSHICHIRO YOKOYAMA
[2]	

## Bachelor of Science in Education

JULIA LORANA ABELL	ISABEL NOYES DENISON
CORA MAY ADAMS	EMMA DENTON
JESSICA BAGLEY	SAMUEL RODMAN DE WITT
FLORA BAICH	ELLA VICTORIA DOBBS
BERTHA N. BALDWIN	FERNE VIDA DOLLAR (November 20)
GEORGE HAROLD BANGS	JEAN WATT DONALDSON
HARRIET LOUISA BARBER	MARJORY DUNBAR
LOUISE MARIE WADE BARNES	ANITA MILLS EARL
LOIS ELTA BARR	OLIVE LORENDA EDENS
LELAND WARD BENSON	ALBERT FINK
ANNA ELISE BERNKOPF	JEAN MARTIN FRASER
HOWARD B. BERRY (November 20)	CHARLOTTE GANO GARRISON
ELSA BIDSTRUP	DELGRACIA BARBARA GAY
CAROLINE ELLEN BLODGETT	MAUDE BRACKETT GERRITSON
CHRISTINE HOLMES BOYSON (November 20)	RACHEL ELIZABETH GREGG
EDWIN SCOTT BRADY	JESSIE ELIZABETH GUERNSEY
BERTHA IMOGENE BRIGGS	EMMA M. HAIGH
BERTHA E. BROWN	EVALINA HARRINGTON
MARTHA BURNETT	JANIE JACKSON HARRIS (March 5)
GEORGE FREDERICK BUXTON (November 20)	ALFRED CARY HAWKINS
ADA RANNEY CLARK	MARY ELIZABETH HELLER (March 5)
LORA MINNIE CLARK	NAN HENDERSON
EMMA COHN (March 5)	AUGUST WILLIAM HENDRIAN
MARY AGNES COYNE	CLARA DELANO HITCHCOCK
ELLA ELIZA CRANE	GRACE LILLIAN HITCHINGS
NELLIE CROOKS	MARY WISNER HOLMES
JANET HAYES DAVIS	ELSIE RUTHERFORD HORNE (November 20)
EDWARD S. DEEVEY	BELLE HUNTINGTON (March 5)
	ANNA MORRIS JACKSON



SUSIE MARKHAM JONES	MARY JANE REID
JOHN ADAMS KINGSBURY	EDITH GRACE RICE
EDWIN HENRY LEE	JESSIE PINNING RICH (April 23)
FLORENCE MARGARET LEE	JULIET OAKES ROGERS
WALTER GLEN LEWIS	ALMA PAULINE RYDENE (November 20)
AMALIE SOPHIE LINGG (November 20)	MARY LILLIAN SABOURIN
PAUL HAUG LINN	CHRISTINE ELISABETH JOHANNA SARAUE
ADA MARION LOCKE	KATHERINE SCHLEGEL
JANNETTE MAY LUCAS	MARIE LUCILE SCHMIDT
EMILIE HELEN LUTH	ANNA LUELLE SEAGER
GEORGE ALOYSIUS LYNCH	RUTH CORNELIA SHAW
MAY SHIELDS MCCULLY	FRANCES IRENE SHERMAN
GRACE McCUNE	WINIFRED SHERWOOD
ELIZABETH MCKEEN	ISABEL OLIVE SHOEMAKER
VIRGIL PARKS MCKINLEY (November 20)	LAO GENEVRA SIMONS (November 20)
MARTHA MACLEAR	REBECCA JANE SLAYMAKER
MARY MAGAW	EVELYN CECILE SMITH (March 5)
JULIA MARTIN	FRANCES YANCEY SMITH
AUGUSTA S. S. MARTINI	SEYMOUR L. SMITH
JESSIE LOU MARTY	MAGDALENE WALLACE SPROULL
ANDREA WARWICK MATHEWS	LEONIE EUGENIE STAELIN
FLORENCE MAY MATTESON	CAROLINE LOUISE STAMM
JACOB EDWARD MAYMAN (November 20)	ANNE ABERNETHY STANLEY
MARIA RICE MILLER	ISABEL MARY STEPHENS
MARY LILLIAN MORIARTY	BERTHA CRANE STILES
MAUDE IRENE MURCHIE	ETHEL GREY STRINGFELLOW
MARY LOUISA NEER	ARTHUR ELLIOTT SUPPERN
JAMES MICHAEL O'GORMAN	LEON DE WITT TAGGART
MAUD OLDHAM	FREDRICK THORNE
HENRY CÉSAR OLINGER (March 5)	MARGARET ANNE TOMES
BESSIE ELLEN OUTTERSON	ISABELLE BAIRD TUCHTON
ROY HUGH OUTTERSON	BYRD VINSON
ALICE MAY PAINÉ (November 20)	MARY GLOYD WAITE
CONSTANCE PENDLETON	CLAUDE LORRAINE WEST
WILLIAM JACKSON PICKETT	WALTER CHARLES LEWIS WHITE
INEZ POWELL	WILLIAM H. WILEY
CHARLOTTE SOPHIA PROCKNOW	NANNETTE ELENA WILLIAMSON
MICHAEL PUORRO	SARAH MOORE WILSON
MARY REESOR	FLORENCE ELLA WINCHELL
MICHAEL FRANCIS REGAN	ELIZABETH RACHEL WYLIE
[138]	AMELIA RUNGE ZOBEL

### Doctor's Diploma in Education

BENJAMIN RICHARD ANDREWS	GEORGE LEROY JACKSON (History of Education)
GEORGE HERBERT BETTS (Educational Psychology)	EDWIN REAGAN SNYDER (School Administration)
[4]	

### Master's Diploma in Education

ALDEN HAROLD ABBOTT (School Administration)	JULIUS BLUHM (School Administration)
JOSEPHINE ADAIR ANDREWS (Physical Education)	FREDERICK J. BRYAN (School Administration) (November 20)
ISIDORE BLOOM (Physical Education)	AGNES AUGUSTA BURNET (German)

MARY AGNES CASEY (History of Education)	ARMIDA MOSES (History)
HYMAN COHEN (Physical Education)	JOSEPH MOSES (History of Education)
H. MORELAND COOK (School Administration)	JANE HERBERT NICHOLSON (Philosophy of Education)
LUTHER EDWARDS DRURY (History of Education)	JOSEPH WARREN OLIVER (Secondary Education)
WILLIS ALFRED FOX (Elementary Education)	BLEND A OLSON (German)
(November 20)	ROBERT WASHINGTON SELVIDGE (School Administration)
FLOYD TOMPKINS GOODIER (School Administration)	MICHAEL SHARLITT (School Administration)
GEORGE WILLIAM HAU (School Administration)	MARY PILKINGTON SIMMONS (Domestic Science)
WILLIAM ISIDORE HELLER (School Administration)	EMMA PETERS SMITH (History)
CLARA LOUISE HUGHES (Mathematics)	ELIZABETH LOUISE STEINBRENNER (Secondary Education)
JAMES HOWARD HUTCHINSON (School Administration)	GRACE LOUISE SURDAM (Latin)
ALEXANDER JAMES INGLIS (School Administration)	WILLIAM HENRY WAYT (School Administration)
WOODFORD MCKALLIP LIGGETT (School Administration)	FRANK MERRILL WHEAT (School Administration)
JOSEPH BYRNE LOCKEY (School Administration)	HELEN DAVIS WICKS (History)
HERRERT NORTON LOOMIS (School Administration)	JAMES WIDDOWSON (Secondary Education)
THEODORE LEANDER MACDOWELL (Elementary Supervision)	FRANK LESLIE WILEY (School Administration)
FLORENCE ALMA MEYER (Physical Education)	SELINA PENDLETON WILSON (German)
[40]	CHARLES EDWARD ZIEGLER (School Administration)

### Bachelor's Diploma in Education

#### *Biology*

ALBERT FINK

MICHAEL PUORRO

#### *Domestic Art*

NELLIE CROOKS

MARY ELIZABETH SUTHERLAND, B.S.

FLORENCE MARGARET LEE

FLORENCE ELLA WINCHELL

#### *Domestic Science*

BERTHA N. BALDWIN

MARY MAGAW

LAURA ANNIS CAUBLE

JESSIE LOU MARTY

MARY AGNES COYNE

MAUDE IRENE MURCHIE

JEAN WATT DONALDSON

INEZ POWELL

MARJORY DUNBAR

MARY JANE REID

DELGRACIA BARBARA GAY, A.B.

JULIET OAKES ROGERS

NAN HENDERSON

KATHERINE SCHLEGEL

ANNA MORRIS JACKSON

CRAILE HANFORD WRIGHT, A.B.

FLORENCE MARGARET LEE

*Elementary Teaching*

BYRD VINSON

*Elementary Supervision*

HARRIET LOUISA BARBER  
 MARTHA BURNETT  
 EDWARD S. DEEVEY  
 SAMUEL RODMAN DE WITT  
 RACHEL ELIZABETH GREGG  
 JOHN ADAMS KINGSBURY  
 MARTHA MACLEAR  
 JULIA MARTIN

MARY LOUISA NEER  
 JAMES MICHAEL O'GORMAN  
 ROY HUGH OUTTERSON  
 EDITH GRACE RICE  
 ANNE ABERNETHY STANLEY  
 CLAUDE LORRAINE WEST  
 ELIZABETH RACHEL WYLIE

*English*

JULIA LORANA ABELL  
 CHRISTINE HOLMES BOYSON (November 20)  
 BERTHA IMOGENE BRIGGS  
 OLIVE LORENDA EDENS  
 JEAN MARTIN FRASER  
 JANIE JACKSON HARRIS (March 5)  
 EMILIE HELEN LUTH  
 ANDREA WARWICK MATHEWS  
 MARIA RICE MILLER

MARY LILLIAN MORIARTY  
 MAUD OLDHAM  
 BESSIE ELLEN OUTTERSON  
 ALMA PAULINE RYDENE (November 20)  
 ISABEL OLIVE SHOEMAKER  
 REBECCA JANE SLAYMAKER  
 FRANCES YANCEY SMITH  
 MARGARET ANNE TOMES

*Fine Arts*

GRACE LILLIAN HITCHINGS  
 CONSTANCE PENDLETON

CHRISTINE ELIZABETH JOHANNA SARAUEW  
 WALTER CHARLES LEWIS WHITE

*French*

HENRY CÉSAR OLINGER (March 5)

*Geography*

ALFRED CARV HAWKINS

RUTH CORNELIA SHAW

*German*

ANNA ELSIE BERNKOPF  
 LORA MINNIE CLARK  
 EMMA M. HAIGH  
 MARY ELIZABETH HELLER (March 5)  
 RITA HOCHHEIMER  
 AMALIE SOPHIE LINGG (November 20)

AUGUSTA S. S. MARTINI  
 MARIE LUCILE SCHMIDT  
 LEONIE EUGENIE STAELIN  
 CAROLINE LOUISE STAMM  
 AMELIA RUNGE ZOBEL

*Grammar Grades*

PAUL HAUG LINN

FRANCES IRENE SHERMAN  
 ETHEL GREY STRINGFELLOW

*History*

LOUISE MARIE WADE BARNES  
 BERTHA IMOGENE BRIGGS

EMMA COHN (March 5)  
 ELLA ELIZA CRANE

ISABEL NOYES DENISON  
 JEAN MARTIN FRASER  
 MAUDE BRACKETT GERRITSON  
 JESSIE ELIZABETH GUERNSEY  
 RUTH GILLETTE HARDY  
 SUSIE MARKHAM JONES  
 JANNETTE MAY LUCAS

GEORGE ALOYSIUS LYNCH  
 FLORENCE MAY MATTESON  
 MARY LILLIAN MORIARTY  
 CHARLOTTE SOPHIE PROCKNOW  
 ARTHUR ELLIOTT SUFFERN  
 ISABELLE BAIRD TUCHTON  
 LOIS BESSIE WESTAWAY

### *Kindergarten*

MARY WISNER HOLMES, A.B.  
 NANNETTE ELENA WILLIAMSON

WINIFRED SHERWOOD

### *Kindergarten Supervision*

EVALINA HARRINGTON  
 CLARA DELANO HITCHCOCK

ADA MARION LOCKE  
 MARY GLOYD WAITE

### *Latin*

GRACE McCUNE

### *Manual Training*

JESSICA BAGLEY  
 GEORGE HAROLD BANGS  
 BERTHA E. BROWN  
 ELLA VICTORIA DOBBS

VIRGIL PARKS MCKINLEY (November 20)  
 SEYMOUR L. SMITH  
 FREDERICK THORNE

### *Mathematics*

FLORA BALCH  
 LOIS ELTA BARR  
 LELAND WARD BENSON  
 JOSEPH SIBERT CORBETT  
 JAMES EAKINS GRAY

EDWIN HENRY LEE  
 JULIA MARTIN  
 WILLIAM JACKSON PICKETT  
 LAO GENEVRA SIMONS (November 20)  
 LEON DE WITT TAGGART

### *Music*

CORA MAY ADAMS, A.B.

CAROLINE ELLEN BLODGETT

### *Physical Education*

ELSA BIDSTRUP  
 AUGUST WILLIAM HENDRIAN  
 BELLE HUNTINGTON (March 5)  
 MARION ASHTON KEESE, A.B.

MARY REESOR  
 MAGDALENE WALLACE SPROULL  
 ISABEL MARY STEPHENS

### *Physical Science*

WALTER GLEN LEWIS  
 JACOB EDWARD MAYMAN (November 20)

MICHAEL FRANCIS REGAN  
 WILLIAM H. WILEY

### *Primary Supervision*

FERNE VIDA DOLLAR (November 20)  
 ALICE MAY PAINE (November 20)

ANNA LUELLE SEAGER  
 BERTHA CRANE STILES

*School Administration*

EDWIN SCOTT BRADY  
[138]

## Special Diplomas

*Domestic Art*

CAROLINE MARION ARBUS  
EDNA FRANCES AUGUR  
EDNA IRENE AVERY  
LAURA IRENE BALDT  
BERTHA MADELAIN BECKER  
ALICE EVANS BLAIR  
HELEN BRYCE BROOKS  
CHARLOTTE ADAM BUEMMING  
SUSAN EDITH CAMPBELL  
NELL C. FIELD  
BESSIE FRANCES HOLMAN

SADIE LILA JACOBSON  
ELIZABETH BEATRIX KELLEY  
FLORENCE MARIE MCCULLY  
MARGARET ODELL MCGOWIN  
TINY TYRELLE MEADOWS  
MARY PARMELEE  
LILLIAN SHELLEY  
CORAGNES TEN EICK  
GARDON THOMPSON  
ELEANOR WHITCOMB  
RUTH ALTA WILMOT

*Domestic Science*

CAROLINE EMMA ALDEN  
ALICE PENFIELD ATWOOD  
HADASSAH CANDEE BEECHER  
HARRIET BERWIN  
HELEN MARGARET BROWN  
ELLEN POWELL DABNEY (March 5)  
ALMA FINLAYSON  
ANNA PEDDIE HUTCHINS  
BLANCHE EVELYN HYDE  
HARRIET FOSTER JESSUP  
AMY LYMAN  
MABEL McDOWELL

HELEN RIEDELL MABREY  
MELINDA IDA MANCHESTER  
MARY ELIZABETH MINAHAN  
ANNA HYNSON MORRIS  
FLORENCE EVA RITTER  
LULIE WILES ROBBINS  
ELLA LOUISE SCHENCK  
ANNA LEONA SMITH  
BELLE SUNDERLAND  
LETITIA ELEANOR WEER  
ETHEL WILLETT  
CORAMARGUERITE WINCHELL

*Elementary Teaching*

MARY EMMONS (November 20)  
ANNA AUGUSTA DUNBAR

ELEANOR BRYNBERG FORMAN  
ANNIE HOPFECKER SMITH

*Fine Arts*

HELEN BALCH  
VEFIE MAE BANKS  
HARDINIA BURNLEY HOWIE  
JEAN HUTCHISON  
MARY ISABEL JACKSON  
WINIFRED KALEY  
FANNIE MARIA KERNS  
HERBERT REYNOLDS KNIFFIN  
CHARLES JAMES MARTIN

ROSA ELIZABETH MILLER  
NOËMI PERNESSIN  
WILHELMINA WILKINSON PHELPS  
CAROLINE DOROTHEA PHILLIPS  
HELEN SCHWARZ  
EDNA SHONINGER  
NELLIE MARGARET TODD  
ELIZABETH HARRISON WARD

*Grammar Grades*

FRANK WESTON BARBER

ELSA M. PAUL  
SIMON LEON SIMPKIN

*Kindergarten*

CLARA VANDERHOOF COYLE  
MINNIE LOUISE HOOPER

JANE DOUGLAS KELLSEY  
RUTH KIMBALL



JENNIE REED LUPTON  
 KATHERINE MARY McNALLY  
 HELEN MARGARET RING  
 CATHERINE CECILE SCHWARTZ

BESSIE GORDON SMITH  
 AUGUSTA SPINGLER (November 20)  
 BLANCHE FANNIE STADLER

### *Kindergarten Supervision*

JULIA STANLEY BOTHWELL (March 5)      ALICE MAY CORBIN  
 MABEL HUBBARD WHEELER

### *Manual Training*

NELLIE BEATRICE BAKER (November 20)      MALCOLM WILLIAM SCHULER  
 ELIZABETH CREIGHTON      MARY LOIS SMITH  
 MARGUERITE ANDREW RUE      JOSEPH SCOTT WISEMAN

### *Music*

CHRISTINE BAUMERT      FRANCES AVERILL DAILEY  
 JOSEPH ARDEN LEEDES

### *Physical Education*

KATE LILLIAN AUSTIN      FLORENCE KIRKLEY  
 MARGARET MAY BOGENRIEF      MARY HAMILTON MACNAB  
 MARY BURNETT      FOSTER NASSU  
 ISABELLA HELEN DOWNIE      EDITH IVES SMITH  
 JULIA JORDAN EMERY

### *Primary*

MARGARET PARVIN MASTERS      WINIFRED WELDIN

### *Primary Supervision*

FLORENCE DEMPSEY      BALBINA MARCELLA HESS  
 LA VERNE GARRATT      LORENA HINDES  
 [109]      LILY NASH

### *Pharmaceutical Chemist*

FRANCIS LEONARD BEAN, Ph.G.      LEON JESSE LINDSLEY, Ph. G.  
 RALPH CRAWFORD JENNINGS, Ph.G.      KENNETH BRUCE PRYOR, Ph.G.  
 EMILE FREDERICK KRAPP, Ph.G.      JOHN ALFRED STEPPENS, Ph.G.  
 [7]      (MISS) FRANCES ULANOFF, Ph.G.

### *Doctor of Pharmacy*

AGUSTIN BLANCO Y GEIGEL, Ph.C.      WALTER ROBERT EIMER, Ph.C.  
 THOMAS DI GIOVANNA, Ph.C.      (MISS) ASUNCION ESTRADA, Ph.C.  
 [5]      JOHN HENRY HECKER, Ph.C.

### *Master of Arts*

ALDEN HAROLD ABBOTT      CARL GUSTAVE AMEND  
 B.S. 1908.      B.S. 1908.  
 FLORA DODSON ADAMS (MRS.)      FLORA ROSS AMOS  
 Ph.B. Chicago 1907.      A.B. Toronto 1902.  
 ISRAEL SAMUEL ADLERBLUM      JOSEPHINE ADAIR ANDREWS  
 A.B. C. C. N. Y. 1908.      A.B. Cornell 1905.

- CLAIRETTE PAPIN ARMSTRONG  
A.B. 1908.
- DORA ASKOWITH  
A.B. 1908.
- JAMES PERCY AULT  
A.B. Baker 1904.
- DAVID MAYNARD AUSMUS  
A.B. Univ. Tennessee 1899, B.D. Drew  
Theo. Sem. 1907.  
(October 20)
- SIMON BACHRACH  
A.B. C. C. N. Y. 1904, LL.B. N. Y.  
Univ. 1908.
- ROBERT BAGNELL, D.D.
- RACHEL BERGAMINI  
B.S. 1908.
- HENRY BIERMAN.  
A.B. 1907.
- JULIAN BLANCHARD  
A.B. Trinity (N.C.) 1905.
- ALBERT BLOHM  
A.B. Wabash 1906.
- ISIDORE BLOOM  
A.B. 1905.
- JULIUS BLUHM  
A.B. C. C. N. Y. 1899.
- ABRAHAM BRILL  
A.B. 1908.
- FREDERICK JOSEPH BRYAN  
Equiv. A.B. Coll. St. Nicholas, Switzer-  
land, 1889.  
(October 20)
- MARY HARNOR BUDDS  
A.B. 1908.
- JOHN STEWART BURGESS  
A.B. Princeton 1905.
- AGNES AUGUSTA BURNET  
A.B. Kansas 1902.
- MARY ALICE CAMPBELL  
A.B. Smith 1905.
- RALPH WILBUR CARRIER  
A.B. Carroll 1908.
- EMILY BARKER CARTER  
A.B. Washington State, 1904.
- MARY AGNES CASEY  
A.B. 1908.
- MARY DAVOREN CHAMBERS (MRS.)  
B.S. 1905.  
(October 20)
- WEI FAN CHEN  
A.B. Perking 1904, B.S. Ohio Wesleyan  
1906.
- SARAH VOORHEIS CHOLLAR  
Ph.B. Illinois Wesleyan 1897, A.B.  
Michigan 1906.
- ELIHU CUNYNGHAM CHURCH  
C.E. 1904.
- ELSIE RIPLEY CLAPP  
A.B. 1908.
- ERNEST DUNBAR CLARK  
A.B. Harvard 1908.
- ABRAHAM BRODERICK COHN  
A.B. 1906.
- HYMAN COHEN  
A.B. 1908.
- EVA ELIZA CONANT  
A.B. St. Lawrence Univ. 1902.
- HARRY MORELAND COOK  
A.B. Taylor 1902, A.M. Washington  
1908.
- MARY COPLIN  
A.B. West Virginia 1906.
- ALLEN LEWIS CURTIS  
A.B. Beloit 1897, B.D. Chicago 1901
- ASHTON WEYMOUTH DAVIS  
B.S. Wesleyan 1900.
- AGNES DE LIMA  
A.B. Vassar 1908.
- IRVING COMES DEMAREST  
A.B. 1908.
- OLIVE WETZEL DENNIS  
A.B. Woman's Coll., Baltimore, 1908.
- JAMES JARVIS DOSTER  
B. S. 1906.
- RALPH WATSON DOX  
A.B. 1906.
- LUTHER EDWARDS DRURY  
A.B. Western Coll. 1905.
- CHARLES WESLEY DUNN  
A.B. Princeton 1907.
- HENRY JOSEPH ECKSTEIN  
A.B. 1906.
- CLARENCE NORMAN FENNER  
E.M. 1892.
- JOHN MAXWELL FERGUSON  
A.B. Harvard 1908.
- CHARLES HAROLD FLOYD  
B.S. Harvard 1905.
- ROBERT STANLEY FORSYTHE  
B.L. Lincoln 1908.
- WILLIS ALFRED FOX  
B.S. Michigan Agricult. Coll. 1891  
(October 20)
- ALBERTA MILDRED FRANKLIN  
A.B. Wellesley 1904.
- HANS PETER FREECE  
A.B. 1904.
- WILLIAM HENRY FRIEDMAN  
E. E. 1907.
- GOELET GALLATIN  
A. B. 1900.
- DANA ELIZABETH GATLIN  
A.B. Kansas 1905.

- ALEXANDER OSCAR GETTLER  
B.S. C. C. N. Y. 1904.
- FLOYD TOMPKINS GOODIER  
A.B. Colgate 1903.
- GORDON HARWOOD GRAVES  
B.S. Earlham 1905, A. B. Haverford  
1906.
- ELIZABETH MINGUS GRIFFITH  
A.B. Bryn Mawr 1900.
- LAWRENCE RICH GROSE  
A.B. Brown 1907.
- CATHERINE DAAE GROTH  
B.L. Paris 1905.
- EDGAR HART GUYNN  
A.B. Yale 1906.
- HENRY MARION HALL  
A.B. Harvard 1899.
- LINDA HALL  
A.B. Smith 1906.
- MORRIS HALPERN
- MARSTON LOVELL HAMLIN  
A.B. Amherst 1908.
- CHINICHIRO HARADA  
Equiv. A. B. Waseda 1906.
- HARRY FRANKLIN HARRINGTON  
A.B. Ohio State 1905.
- VICTOR HARTOG  
E.M. 1909.
- GEORGE WILLIAM HAU  
A.M. Ohio Northern 1905.
- EDWARD FRANKLIN HAUCH  
A.B. Toronto 1907.
- HOWELL MERRIMAN HAYDN  
A.B. Adelbert 1896.
- MICHAEL HEIDELBERGER  
B.S. 1908.
- WILLIAM ISIDORE HELLER  
A.B. C. C. N. Y. 1904.
- ELSIE WINIFRED HELMRICH  
A.B. 1908.  
(February 16)
- ALFRED HERRMANN  
A.B. 1908.
- HELENA F. HEUERMANN  
A.B. Adelphi 1902.
- FREMONT AMASA HIGGINS  
A.B. 1908.
- JAMES JULIUS HOFFMANN  
A.B., B.D.
- JOHN EDWARD HOHN  
A.B. Indiana 1905.
- ALEXANDER HOLTZOFF  
A.B. 1908.
- WALTER EDWIN HOWE  
B.D. Gen. Theo. Sem. 1907
- WINFIELD SCOTT HUBBARD  
B.S. Michigan 1908.
- CLARA LOUISE HUGHES  
Ph.B. Hillsdale 1897.
- EDWARD FRANK HUMPHREY  
A.B. Minnesota, 1903.
- GRAHAM CHAMBERS HUNTER  
A.B. Princeton 1904.
- ELLEN ALDEN HUNTINGTON  
A.B. Illinois 1903.
- JAMES HOWARD HUTCHINSON  
A.B. Colgate Univ. 1905.
- RUTH SARAH HUTCHINSON  
A.B. Minnesota 1900.
- ALEXANDER JAMES INGLIS  
A.B. Wesleyan 1902.
- TOSHI IOKI  
Equiv. A. B. Nippon Univ. 1895.
- ALFRED FENNER ISHAM  
A.B. Colorado Coll. 1900.  
(October 20)
- WILLIAM JABINE  
A.B. 1907.
- MARY LENORE JOBE  
Ph.B. Scio 1897, A.M. 1907.
- LILLIAN TONG JONES  
A.B. Randolph-Macon 1902.
- LINA KAHN  
Equiv. A.B. Gymnasium of Libau,  
Russia.
- CHARLES FREDERICK KARNOPP  
A.B. Colorado 1905.  
(October 20)
- EDWARD CALVIN KENDALL  
B.S. 1908.
- FRANK EWER KERR  
B.S. N. Y. U. 1896.
- ARTHUR J. KLEIN
- GEORGE WALLACE KNEISLY  
B.S. Univ. of Oklahoma 1907.  
(October 20)
- MARY EMILY KNOWLTON  
A.B. Kings, Nova Scotia, 1902.
- FREDERIC RICHARD KOEBERLIN  
B.S. Mo. School of Mines 1901.
- VI KYUIN WELLINGTON KOO  
A.B. 1908.
- ABRAHAM J. KOREY  
A.B. N. Y. U. 1906.
- SAICHI KUMAMOTO  
Equiv. A. B. Kobe 1907.
- KENJIRO KUMOI  
Equiv. A.B. Waseda 1907.
- HENRIETTA LAKE  
B.S. St. Lawrence Univ. 1882.  
(February 16)
- MARY EMMA LARKIN  
A.B. Allegheny 1901.

- ELMA VIVIAN LAWRENCE  
A.B. Ohio Wesleyan 1900.
- CHARLOTTE MENDELL LEAVIT  
Ph.B. Michigan 1899.  
(October 20)
- ALMA DE L. LE DUC  
Ph.B. Chicago 1899.
- NATHAN HARRY LEMOWITZ  
B.S. C. C. N. Y. 1904.
- ARTHUR SAUL LEVY, Jr.  
A.B. 1907.
- SARAH LEWIS  
A.B. Minnestota 1902.
- WOODFORD McKALLIP LIGGETT  
Ph.B. Wooster 1906.
- JOSEPH BYRNE LOCKEY  
B.S. Peabody 1902.
- HERBERT NORTON LOOMIS  
B.S. Harvard 1901.
- FRANK SWINDELL LOVE  
A.B. Trinity 1908.
- HALFORD EDWARD LUCCOCK  
A.B. Northwestern 1906.
- EDMUND RUTAN LUPTON  
A.B. Yale 1906.
- THEODORE LEANDER MACDOWELL  
B.S. 1908.
- CHARLES WILLIAM McKONE  
B.S. Trinity 1908.
- JOSEPH PATRICK McCORMACK  
A.B. Middlebury 1907.
- MARGARET ANNIE MCGREGORY  
A.B. Michigan 1903.
- CHRISTINE LOUISE MCKIM  
A.B. 1901.  
(February 16)
- FRANCIS ELBERTINE MCRAE  
B.S. 1901.
- WILLIAM STUART MESSER  
A.B. 1905.
- FLORENCE ALMA MEYER  
A.B. 1905.
- ORLEY LESTER MILLER  
A.B. Washburn 1906.
- ISRAEL MIRSKY  
B.S. C. C. N. Y. 1908.
- SAKUSKE MONIKURA  
DAVID HENNER MORRIS  
A.B. Harvard 1896, LL.B. N. Y. Law  
1901.
- ARMIDA MOSES  
A.B. Winthrop 1903.
- JOSEPH MOSES  
B.S. Cincinnati 1894
- YUTARO MURAI  
Equiv. A.B. Waseda Japan 1901.
- MARY LESLIE NEWTON  
A.B. Univ. of Tennessee 1898.  
(October 20)
- JANE HERBERT NICHOLSON  
B.S. 1908.
- MARJORIE BELLE NOBLE  
A.B. Olivet 1905.
- ELAINE OKUNTSOPP  
Equiv. A.B. Russian Gymnasium.
- JOSEPH WARREN OLIVER  
B.S. 1906
- BLENDA OLSEN  
A.B. Illinois 1905.
- SOPHIA BURR OPPER  
A.B. Smith 1908.
- CHARLES SUMNER OSGOOD  
A.B. Leland Stanford 1906.
- HARROLD PERRINE  
A.B. 1908
- WILLIAM FREDERICK PERRY  
B.S. Stuartsville 1886, A.B. Missouri  
Valley 1892, B.D. Lebanon 1896.
- GERTRUDE ELIZABETH PETERS  
B.S. Mich. Agr. Coll. 1906.
- THURSTON MASON PHETTEPLACE  
Ph.B. Brown 1899, M.E. 1901.  
(October 20)
- CHARLES ARTHUR POTTER  
Ph.B. Colorado 1893, A.M. Denver 1907
- SARAH MARIE PRATT  
MABEL RAICHLEN  
Ph.B. Chicago 1908.
- DAVID RAPOPORT  
B.S. 1908.
- MARK SYLVESTER REARDEN, 3d  
LL.B. N. Y. Law 1898, LL.M. 1902,  
A.B. Adelphi 1905, A.M. St. Francis  
Xavier 1906.
- JOSEPH JOHN REILEY  
A.B. Holy Cross 1904, A.M. 1906.
- FRED HAMILTON RINDGE, Jr.  
A.B. 1908.
- GAILLARD SHERBURNE ROGERS  
A.B. 1908.
- FLORA ROSE  
B.S. Kansas Agr. Coll. 1904.
- DOROTHEA KOTZSCHMAR SACHSSE (MRS.)  
B.L. Smith 1899.
- A. BERTRAM SAMUELS  
A.B. 1907.
- WILLIAM JACOB SANDERS  
A.M. Lebanon Valley 1904.
- PETER SANDIFORD  
B.S. Victoria Univ. of Manchester 1905,  
M.S. 1907.

- WILLIAM SCHREIBER  
A.B. 1907.  
(October 20)
- GUSTAV FREDERICK SCHULZ  
B.S. C. C. N. Y. 1907.
- WALTER MAX SCHWARZ  
A.B. 1907.
- ROBERT WASHINGTON SELVIDGE  
B.S. 1908.
- ARTHUR TRUMBULL SEYMOUR  
B.L. Cornell 1902.
- WITSEN SIAN SHAN  
Equiv. A.B. Nanyang Coll., China, 1905
- ALVIN THEODORE SHAPINSKY  
A.B. 1907.
- SISTER MARY AGNES SHARK  
A.B. St. Elizabeth 1902.
- MICHAEL SHARLITT  
A.B. C. C. N. Y. 1903.
- PRABHAKAR SHILOTRI  
A.B. Cornell 1908.
- MARY PILKINGTON SIMMONS  
B.S. 1907.
- ENMA PETERS SMITH  
A.B. Woman's Coll., Balt., 1904.
- FRANCES ALBEE SMITH  
A.B. Vassar 1895.
- ROBERT METCALF SMITH  
A.B. Amherst 1908.
- MICHAEL SOLOMON  
A.B. 1907.  
(October 20)
- FREDERICK JUDSON SOULE  
A.B. Alma 1906.
- HILDA LOUISE STABER  
A.B. 1905.
- ELIZABETH LOUISE STEINBRENNER  
B.S. 1908.
- DAVID BERNARD STEINMAN  
B.S. C. C. N. Y. 1906.  
(February 16)
- JENNIE BRADSHAW STURGEON  
B.L. Northwestern 1901, M.L. 1904.
- FRANCIS WILLIAM SULLIVAN  
Ph.B. Lafayette 1908.
- LAURA ANNA SUMMERBELL  
A.B. Bates 1902.
- GRACE LOUISE SURDAM  
A.B. Woman's Coll., Balt., 1907.
- JEANNETTE STUART TAYLOR  
A.B. Vassar 1904.  
(October 20)
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- TONEO TOMIO  
Equiv. A.B. Meiji Gakwin 1904.
- RUSSELL DAYTON TREBILCOX  
A.B. Syracuse 1907.
- ELIZABETH ALDEN SEABURY TREDWELL  
TREDWELL  
A.B. 1908.
- CORNELIA ROGERS TROWBRIDGE  
A.B. Smith 1891.  
(February 16)
- WILLIAM HARVEY VANN  
A.B. Wake Forest 1907.
- FELICIN N. VEXLER  
Equiv. A.B. Lyceum, Bucharest, 1907.
- HAROLD GASTON VINCENT  
A.B. Oberlin 1906.
- THOMAS HENRY WADE  
A.B. Emory 1902, A.B. Oxford 1908.
- WILLIAM HENRY WAYT  
A.B. West Virginia 1907.
- FRANK MERRILL WHEAT  
B.L. Highland 1907, B.S. Kentucky  
1908.
- MAY LANGDON WHITE  
A.B. Wisconsin 1904.
- JOSEPH FRANCIS WICKHAM  
A.B. Holy Cross College 1904.  
(October 20)
- HELEN DAVIS WICKS  
A.B. Smith 1908.
- JAMES WIDDOWSON  
A.B. Juniata College 1903.  
(February 16)
- FRANK LESLIE WILEY  
A.B. and B.S. Missouri 1905.
- RICHARD GRANT WILLIAMS  
B.S. 1908.
- ALBERT CLARK WILLSON  
B.S. 1908.
- JESSIE CAMPBELL WILSON  
A.B. Cornell 1902.
- SELINA PENDLETON WILSON  
A.B. Woman's Coll., Balt., 1904.
- VALERIA INEZ MERRILL WILSON (Mrs.)  
B.S. 1908.
- WALTER BLIGH WOODBURY  
A.B. 1908.
- HAWKLING LUGINE YEN  
A.B. St. Johns, China, 1907.
- SEIMATSU YOKOTA  
Equiv. A.B. Waseda 1903.  
(February 16)
- CHARLES EDWARD ZIEGLER  
A.B. C. C. N. Y. 1898.  
(February 16)



## Doctor of Philosophy

- VICTOR EMANUEL ALBRIGHT  
A.B. Ohio Wesleyan 1901, A.M. Harvard 1904.  
Dissertation: The Shaksperian stage.
- BENJAMIN RICHARD ANDREWS  
A.B. Cornell 1901, A. M. 1903.  
Dissertation: Museums of education: Their history and their use.
- GEORGE HERBERT BETTS  
Ph.B. Cornell Coll. 1899, A.M. 1901;  
Ph.M. Chicago 1904.  
Dissertation: The distribution and functions of mental imagery.
- WALTER PERCY BORDWELL  
LL.B. 1904, LL.M. 1908, B.L. California 1898.  
Dissertation: The laws of war between belligerents.  
(February 16)
- THOMAS CLACHAR BROWN  
A.M. 1905; A.B. Amherst 1904.  
Dissertation: Studies on the morphology and development of certain rosgose corals.
- ROBERT COIT CHAPIN  
A.B. Beloit Coll., 1885, A.M. 1888;  
B.D. Yale 1890.  
Dissertation: The standard of living of wage-earners in New York City.  
(February 16)
- WILLIAM FORBES COOLEY  
B.S. New York Univ. 1878, M.S. 1892;  
B.D. Union Theo. Sem. 1907.  
Dissertation: The individual: A metaphysical inquiry.
- MARY GERTRUDE CUSHING  
B.S. Wellesley 1892, A.M. 1895.  
Dissertation: Pierre Le Tourneur.  
(February 16)
- CHESTER ARTHUR DARLING  
A.B. Albion Coll. 1904, A.M. 1906.  
Dissertation: Sex in dioecious plants.
- WALTER HOLLIS EDDY  
A.M. 1908, B.S. Amherst 1898.  
Dissertation: The synthesis of some proteid salts.
- LEONHARD FELIX FULD  
A.B. 1903, A.M. 1904, LL.B. 1905,  
LL.M. 1906.  
Dissertation: Police administration.
- WILLIAM FRANKLIN GEPHART  
A.B. Ohio State 1905, A.M. 1907.  
Dissertation: Transportation and industrial development in the Middle West.
- JOSEPH ISAAC GORFINKLE  
A.B. Harvard 1903, A.M. 1904.  
Dissertation: The "Shemoneh Perekim," an ethical treatise of Marmonides.
- ROSS AIKEN GORTNER  
B.S. Nebraska Wesleyan 1907, A.M. Toronto 1908.  
Dissertation: On some new quinoline derivatives.
- LOUISE HOYT GREGORY  
A.M. 1907, A.B. Vassar 1903.  
Dissertation: Observations on the life history of Tillina magna.
- FELIX GRENDON  
A.M. 1902, B.S. C. C. N. Y. 1900.  
Dissertation: The Anglo-Saxon charms.
- GEORGE CHRISTIAN OTTO HAAS  
A.B. 1902, A.M. 1903.  
Dissertation: Das'arūpa, a treatise on Hindu Dramaturgy by Dhanamjaya, translated for the first time, with an introduction, notes, and appendixes.
- CHARLES GROVE HAINES  
A.M. 1904, A.B. Ursinus Coll. 1903.  
Dissertation: Conflict over judicial powers.
- GEORGE WILBER HARTWELL  
A.M. 1906, Ph.B. Wesleyan 1903.  
Dissertation: Plane fields of force invariant under projective transformations.
- WILLIAM FREDERIC HAUHART  
A.B. Missouri 1901, A.M. 1902.  
Dissertation: The reception of Goethe's "Faust" in England in the first half of the nineteenth century.
- CARLTON HUNTLEY HAYES  
A.B. 1904, A.M. 1905.  
Dissertation: An introduction to the sources relating to the Germanic invasions.
- HARWOOD HOADLEY  
A.B. 1900.  
Dissertation: On the authenticity and date of the Sophoclean Ajax, verses 1040-1420.
- HARRY LEVI HOLLINGWORTH  
A.B. Nebraska 1906.  
Dissertation: The inaccuracy of movement (with special reference to constant errors).

- GEORGE LEROY JACKSON  
A.M. 1907, A.B. Michigan 1906.  
Dissertation: The development of school support in colonial Massachusetts.
- ROYAL PRESTON JARVIS  
A.M. 1907, E.M. Colorado State School of Mines 1897.  
Dissertation: Investigations on jiggling.
- LUCILE KOHN  
A.B. 1903, A.M. 1905.  
Dissertation: The influence of Æschylus on Sophocles, Euripides, and Aristophanes.
- OTTO KRESS  
B.S. 1906, A.M. 1907.  
Dissertation: Does thorium exist as thorium silicate in monazite.
- ALFRED HEMMER KROPPF  
B.S. 1907, A.M. 1908.  
Dissertation: Diaminoisophalic acid and certain of its derivatives.
- MAURICE ALLISON LAMME  
A.M. 1904, B.S. Montana Agricult. Coll. 1903.  
Dissertation: On the specific gravities of niobium and tantalum pentoxides.
- ALFRED PEIRCE LOTHROP  
A.B. Oberlin 1906, A.M. 1907.  
Dissertation: The effects of bone ash in the diet on the gastro-intestinal conditions of dogs.
- CHARLES SEARING MEAD  
A.M. 1906, B.S. Ohio State 1904.  
Dissertation: The chondrocranium of an embryo pig, *Sus scrofa*: A contribution to the morphology of the mammalian skull.
- BARNETTE MILLER  
Equiv. A. B. 1902, A.M. 1903.  
Dissertation: Leigh Hunt's relations with Byron, Shelley, and Keats.
- CHARLES EDWARD MORRISON  
C.E. and A.M. 1901.  
Dissertation: Highway engineering. (October 20)
- CHARLES JONES OGDEN  
A.B. 1900, LL.B. and A.M. 1903.  
Dissertation: The construction of the final and consecutive infinitive in early Greek poetry.
- ROLPH BARLOW PAGE  
A.B. Toronto 1897, A.M. 1901.  
Dissertation: The letters of Alcuin.
- MAURICE FARR PARMELEE  
A.B. Yale 1904.  
Dissertation: Inebriety in Boston.
- PHILIP ARCHIE PARSONS  
A.B. Christian Univ., Mo., 1904.  
Dissertation: Responsibility for crime.
- FERNANDUS PAYNE  
B.S. Valparaiso Coll. 1901, A.B. Indiana 1905, A.M. 1906.  
Dissertation: Some new types of chromosome distribution and their relation to sex.
- JOSEPH LOUIS PERRIER  
A.M. 1906, A.M. St. Francis Xavier 1905.  
Dissertation: The revival of scholastic philosophy in the nineteenth century.
- BERTHA HAVEN PUTNAM  
A.B. Bryn Mawr 1893.  
Dissertation: The enforcement of the statutes of laborers during the first decade after the Black Death. (February 16)
- KATHARINE CAMPBELL REILEY  
A.M. 1902, A.B. Vassar 1895.  
Dissertation: Studies in the philosophical terminology of Lucretius and Cicero.
- FREDERICK WILLIAM ROE  
A.M. Columbia 1904, A.B. Wesleyan 1897.  
Dissertation: Thomas Carlyle as a critic of literature.
- JACOB ROSENBLUM  
B.S. 1905.  
Dissertation: A contribution to the study of the nature and origin of the Bince Jones protein; with bibliography.
- EDWARD SAPIR  
A.B. 1904, A.M. 1905.  
Dissertation: The Takelma language of southwestern Oregon.
- CATHARINE SAUNDERS  
A.B. Elmira Coll. 1891.  
Dissertation: Costume in Roman comedy.
- JACOB SALWYN SCHAPIRO  
A.B. C. C. N. Y. 1904.  
Dissertation: German programs of social reform and the Reformation.
- JOHN SCHULER  
A.B. German Wallace Coll. 1891.  
Dissertation: The language of Richard Wagner's "Ring des Nibelungen."

## ROBERT LIVINGSTON SCHUYLER

A.B. 1903, A.M. 1904.

Dissertation: The transition in Illinois from British to American government.

## EDWIN REAGAN SNYDER

A.B. Leland Stanford 1905.

Dissertation: The increase and support of rural high schools in the United States.

(February 16)

## ANCEL ROY MONROE STOWE

Ph.B. Northwestern 1903, A.M. 1904;  
A.M. Harvard 1905.

Dissertation: English grammar schools in the reign of Elizabeth.

(February 16)

## CHARLES EDWARD TAYLOR

B.S. Harvard 1906, A.M. 1907.

Dissertation: A new rapid volumetric method for the determination of niobium in the presence of tantalum and its application to the analysis of niobium minerals.

## MYRON OWEN TRIPP

B.S. Indiana 1901.

Dissertation: Groups of order  $p^3q^2$ .  
(February 16)

## HAROLD WORTHINGTON WEBB

A.B. 1905.

[59]

Dissertation: A systematic study of electric-wave vibrators and receivers.

## MAURICE FRANCIS WEINRICH

Mech. E. 1904, A.M. 1907.

Dissertation: Rutherford photographs of stars surrounding B Cygni.

## DAVID DAY WHITNEY

A.M. 1906, A.B. Wesleyan 1904.

Dissertation: Studies of sex determination and sex production in hydatina senta.

## ALICE IDA PERRY WOOD

A.M. 1901, B.S. Wellesley 1894.

Dissertation: The stage history of Shakespeare's "King Richard the Third."

## HERBERT HOLLINGSWORTH WOODROW

A.B. Michigan 1904.

Dissertation: A quantitative study of rhythm: A psycho-physical investigation of intensity and duration in rhythm.

## HOWARD BROWN WOOLSTON

A.B. Yale 1898, S.T.B. Chicago 1901,  
A.M. Harvard 1902.

Dissertation: A study of the population of Manhattanville.

## SIDNEY ZANDSTRA

A.B. Hope Coll. 1903, B.D. Princeton  
Theo. Sem. 1907.

Dissertation: The witness of the Vulgate, Peshitta, and Septuagint to the text of Zephaniah.

## HONORARY DEGREES

## Master of Science

BENJAMIN BOWDEN LAWRENCE

*of the Class of 1878**Mining Engineer*

## Master of Arts

JOHN HALLIDAY DENBIGH

*Principal of the Morris High School, New York City*

## Doctor of Science

SAMUEL FRANKLIN EMMONS

*United States Geological Survey*

## Doctor of Letters

MARY WHITON CALKINS

*Professor of Philosophy and Psychology in Wellesley College*

CHRISTIAN K. F. HÜLSEN

*of the Imperial German Archaeological Institute at Rome*

## Doctor of Sacred Theology

HENRY CHURCHILL KING  
*President of Oberlin College*

## Doctor of Laws

SILAS BROWN BROWNELL  
*Chairman of the Trustees of Barnard College*

ABBOTT LAWRENCE LOWELL  
*President of Harvard University*

ALFRED MOSELY, C.M.G.  
*of London, England*

JOHN COIT SPOONER  
*Formerly United States Senator from Wisconsin*

COUNT JOHANN HEINRICH VON BERNSTORFF  
*German Ambassador to the United States*

[and the following conferred January 4, 1909]

ALBRECHT F. K. PENCK, Sc. D.  
*Privy Councillor and Director of the Geographical Institute of the University of Berlin*

GUGLIELMO FERRERO, Litt.D.  
*Historian*

## Commencement Calendar, 1909

- May 24-26—Teachers College Exhibition.  
 May 30—Baccalaureate Service, Rev. William T. Manning,  
           S.T.D., Preacher.  
 June 4—Barnard College Class Day.  
 May 31—Columbia College Class Day.  
 May 31-June 5—Architectural Exhibition.  
 June 1—Phi Beta Kappa Meeting and Address.  
 June 2—Commencement, Conferring of Degrees and Award of  
           Honors; Presentation of '84 Arts Memorial Clock  
           and Doorway at Hamilton Hall; Alumni Luncheons;  
           Anniversary Dinners; Decennial Celebration.

## FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE. Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year. Failure so to report may operate to vacate the Fellowship or Scholarship.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees do not apply to them.

### General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of all fellowships and scholarships:

In each case application in writing, on a blank prepared for the purpose, must be filed with the Secretary of the University: for fellowships it should be filed on or before March 1; for scholarships, on or before May 1. Applications and documents received in support thereof later than these dates, or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies, may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself, as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. Documents and letters submitted by the candidates are returned, but not letters written direct to the University. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for. Documents will not be preserved for more than one year from the date of application.

All Fellows and Scholars, as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the Council to study elsewhere. No Fellow or Scholar may pursue a professional or technical course of study during his term.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

### UNIVERSITY FELLOWSHIPS

Twelve fellowships, of the value of \$650 each, known as "Univer-



sity Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(a) of a liberal education, such as a diploma from a college or scientific school of good repute;

(b) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(c) of upright character, such as a testimonial from some instructor.

A Fellow may be reappointed for reasons of weight, but not for more than two terms of one year each.

As these fellowships are awarded as honors, those who are disposed, for the benefit of others, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies will be filled in the same manner in which original appointments are made.

Each Fellow is expected to perform such duties as are allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He is expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

#### *University Fellows 1909-10*

RALPH CURTIS BENEDICT.....	<i>Botany</i>
HENRY BLUMBERG.....	<i>Mathematics</i>
ERNEST DUNBAR CLARK.....	<i>Physiological Chemistry</i>
HENRY STIMSON GILBERTSON.....	<i>American History</i>
SAMUEL NORTHRUP HARPER.....	<i>Political Science</i>
CHARLES JOSEPH HILKEY.....	<i>Constitutional Law</i>
JAMES FRANCIS KENNEY.....	<i>Mediæval History</i>
WILLIAM STUART MESSER.....	<i>Latin</i>
DUDLEY HOWE MILES.....	<i>Comparative Literature</i>
CARL CLINTON VAN DOREN.....	<i>English</i>
THOMAS TALBOT WATERMAN.....	<i>Anthropology</i>
VICTOR ZIEGLER.....	<i>Economic Geology</i>

*Honorary Fellow 1909-10*WILLIAM WATSON DAVIS.....*History*

## SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see *ante*). Candidates should indicate clearly upon their application-blanks the fellowship for which they are applicants.

1909-10 THOR YENSEN BECH.....*Comparative Literature*

## Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, annual value \$648, and the Barnard Fellowship for Encouraging [Scientific Research, endowed by the bequest of the late President Barnard, annual value \$400, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this, or some other University, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a quarterly report, certified to by the physicist superintending and directing him, to the President, giving an account of the work in which he has been engaged during the academic or calendar quarter preceding.

*Tyndall Fellows*

1891-92 WILLIAM H. FREEDMAN

1894-95 CHARLES R. MANN

1892-93 CHARLES R. MANN

1895-97 WALTER WHEELER COOK

1897-98	No incumbent	1907-08	GEORGE B. PEGRAM
1898-1901	ROBERT BOWIE OWENS	1908-09	HAROLD WORTHINGTON
1901-03	BERGEN DAVIS		WEBB
1903-04	FRANK LEO TUFTS	1909-10	HENRY HOWARD MARVIN
1904-07	FREDERIC COLUMBUS BLAKE		

*Barnard Fellows*

1894-96	WILLIAM LISPENARD ROBB	1905-07	CLARENCE WHITNEY
1896-97	No incumbent		KANOLT
1897-1900	HEINRICH RIES	1907-08	HAROLD WORTHINGTON
1900-03	JOHN ALEXANDER MATHEWS		WEBB
1903-05	WILLIAM CAMPBELL	1908-10	CLEMENT S. BRAININ

*Adams Research Fellowship*

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, E. E. '97, A.M. '98, is of an annual value of \$1250. The appointment may be made from among the teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

*Ernest Kempton Adams Research Fellows*

1905-07	ERNEST FOX NICHOLS	1907-09	BERGEN DAVIS
	1909-10	CLARK WELLS CHAMBERLAIN	

*Class of '70 Fellowship*

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of \$500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed.

*Class of '70 Fellow*

1896—LEWIS BUFFET CARLL

*George William Curtis Fellowship*

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in

every third year, the next award being July 1, 1910. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of \$10,000 (in 1908-09, \$600 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (a) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (b) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

#### *George William Curtis Fellows*

1901-02 JAMES WILFORD GARNER 1906-07 No incumbent  
 1902-04 CHARLES AUSTIN BEARD 1907-08 EDWARD MCCHESENEY SAIT  
 1904-06 CHARLES GROVE HAINES 1908-09 BLAINE FREE MOORE

#### *Drisler Fellowship*

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B. 1839, is of the annual value of \$650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the joint recommendation of the professors of Greek and Latin. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies at Rome.

*Drisler Fellows*

1894-96	JOHN KASSON LATHROP	1902-03	HARWOOD HOADLEY
1896-97	GEORGE N. OLCOTT	1903-04	WALTER WHIPPLE AR-
1897-98	WILLIAM T. F. TAMBLYN		NOLD
1898-99	CORLISS FITZ RANDOLPH	1904-05	No incumbent
1899-1900	EDWARD CHARLES	1905-06	MACON ANDERSON LEIPER
	HARWOOD	1906-08	CHARLES JONES OGDEN
1900-01	BERT HODGE HILL	1908-10	HUBERT MCNEILL POTEAT
1901-02	No incumbent		

*Garth Fellowship*

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of \$16,250. See page 465.

*Garth Fellows*

1905-06	MEYER JACOBSTEIN	1908-09	SOLOMON VINEBERG
1906-07	JAMES HENRY GILBERT	1909-10	EDWARD HENRY LE-
1907-08	LOUIS DWIGHT HAR-		WINSKI
	WELL WELD		

*Gottsberger Fellowship*

The Gottsberger Fellowship, awarded every second year, is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The holder may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of \$9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund.

*Gottsberger Fellows*

1905-06	GEORGE CHRISTIAN OTTO HAAS	1907-08	MEYER JACOBSTEIN
		1909-10	RALPH WATSON DOX

*Mosenthal Fellowship*

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of \$7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.



Applicants are required to show a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical composition.

#### *Mosenthal Fellows*

1899-1901 MARY ANGELA DILLER	1906-07 WILLIAM JACOB KRAFT
1902-04 FRANK EDWIN WARD	1908-09 FRANZ BELLINGER
1904-05 BENJAMIN LAMBORD	

#### **Proudfit Fellowship in Letters**

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor of Arts after three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. The Fellow shall be entitled to receive during his incumbency the net income of the sum of \$13,875 (in 1908-09, \$615). He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

#### *Proudfit Fellows in Letters*

1900-03 JOHN ERSKINE	1906-07 CHARLES FRANCIS LAW-
1903-05 STANLEY KIDDER WILSON	SON
1905-06 No incumbent	1907-10 ERNEST HUNTER WRIGHT

#### **Schiff Fellowship**

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of \$600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the

name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

*Schiff Fellows*

1898-1900	WILLIAM HENRY FRY	1905-06	CHARLES RAMSDELL
1900-01	WALTER PERCY BORDWELL		LINGLEY
1901-02	ULRICH BONNELL PHILLIPS	1906-07	SAMUEL G. NISSENSON
1902-03	GEORGE CHARLES SELDEN	1907-08	CARL F. L. HUTH
1903-04	PRESERVED SMITH	1908-09	LEONARD STOTT BLAKEY
1904-05	NORRIS ARTHUR BRISCO	1909-10	CHARLES ELMER GEHLKE

**Carl Schurz Fellowship**

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of \$10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the languages and literatures and for independent research. They must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university.

*Carl Schurz Fellows*

1902-03	JOHN LOUIS KIND	1906-07	HENRY HERMANN
1904-05	ALLEN WILSON PORTER- FIELD		LOUIS SCHULZE
		1908-09	PERCY GAINES CRAIG
		1909-10	HENRY JOHN SKIPP

**William Mitchell Fellowship**

The William Mitchell Fellowship shall be awarded annually by the Trustees on the nomination of the Faculty of Columbia College, to

a graduate of the College who purposes entering upon a course of advanced study in letters or science, or who is adjudged by the Faculty capable of attaining distinction in such courses of study. The Fellow so appointed shall be entitled to receive the net income of the fund of \$10,000, bequeathed by Benjamin D. Silliman.

*William Mitchell Fellow*

1908-10 IRVING COMES DEMAREST

### Samuel Anthony Goldschmidt Fellowship

The Samuel Anthony Goldschmidt Fellowship in Chemistry is awarded each year by the University Council in the same manner as University Fellowships are awarded and subject to the same regulations. The Fellow shall be entitled to receive the net annual income of \$16,250, the gift of George B. Goldschmidt in memory of Samuel Anthony Goldschmidt of the class of 1871.

*Goldschmidt Fellow*

1909-10 EDWARD CALVIN KENDALL

### Annual Fellowships

The Treasurer may receive gifts of money for fellowships for one year or more provided that no fellowship shall be created for less than \$500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

1909-10 MANUEL GAMIO.....*Anthropology*

### UNIVERSITY SCHOLARSHIPS

Twenty University Scholarships, of an annual value of \$150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.
2. They are tenable for one academic year, with a possibility of renewal for one year longer.
3. Applications should be filed in writing, not later than May 1.
4. In the awards preference will be given to those candidates for University fellowships who have failed of appointment after having been recommended therefor by any faculty or department.
5. University Scholars will be required to enrol themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.

6. Additional Scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.

7. A University Scholar may relinquish the income thereof without waiving his right to be designated as a University Scholar.

*University Scholars, 1909-10*

BENJAMIN PETTENGILL ADAMS (Honorary).....	<i>English</i>
WALTER LORING BARROWS.....	<i>Geology</i>
MADISON CLAIR BATES.....	<i>English</i>
ADOLPH BURNETT BENSON.....	<i>Germanic Languages</i>
F. STUART CHAPIN.....	<i>Sociology</i>
ANDREW M. CHILD, JR.....	<i>Greek</i>
JOHN FREDERICK DASHIELL.....	<i>Psychology</i>
HARRY LINN FISHER.....	<i>Chemistry</i>
WILLIAM HENRY FRIEDMAN.....	<i>Physics</i>
GORDON HAWROOD GRAVES.....	<i>Mathematics</i>
EDMUND NEWTON HARVEY.....	<i>Zoölogy</i>
MICHAEL HEIDELBERGER.....	<i>Organic Chemistry</i>
GEORGE WALTER KESSLER.....	<i>Political Economy</i>
ALMON WHEELER LAUBER.....	<i>American History</i>
READ LEWIS.....	<i>History</i>
THOMAS POLLOCK OAKLEY.....	<i>European History</i>
WILLIAM FIELDING OGBURN.....	<i>Sociology</i>
ALGERNON ASHBURNER OSBORNE.....	<i>Economics</i>
PRABHAKER S. SHILOTRI.....	<i>Political Economy</i>
DAVID B. STEINMAN.....	<i>Civil Engineering</i>
FELICIU N. VEXLER.....	<i>Romance Languages</i>

**President's University Scholarships**

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University Scholarships, and by such further regulations as may from time to time be adopted.

*President's University Scholars, 1909-10*

CHARLES VICTOR BURKE.....	<i>Zoölogy</i>
DANIEL DALE CONDIT.....	<i>Geology</i>
SAMUEL ELY ELIOT.....	<i>Anthropology</i>
ARTHUR LOREN GATES.....	<i>English</i>
LOUIS DUNTON HARTSON.....	<i>Psychology</i>
ALFRED HOUSTON.....	<i>International Law</i>
SYDNEY D. MOORE HUDSON.....	<i>Constitutional Law</i>
CHIN YIN LIN.....	<i>Mining Engineering</i>

### University Scholarships for Women

Four University Scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Political Science, Philosophy, and Pure Science. These scholarships are awarded under the same regulations as those governing the University Scholarships.

#### *Curtis University Scholars, 1909-10*

JESSIE YEARANCE CANN.....	<i>Physical Chemistry</i>
ELSIE RIPLEY CLAPP.....	<i>English</i>
SARAH FENTON HOYT.....	<i>Semitic Languages</i>
CLARA MILDRED THOMPSON.....	<i>American History</i>

### Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college or school of the University (except Teachers College or the College of Pharmacy). The annual value (to be applied to tuition charges) is the income of a fund of \$5000, given for the establishment of the scholarship.

Applications should be made under the same regulations as those for University Scholarships.

#### *Richard Butler Scholars*

1904-07 OTHO LEE MONROE	1907-09 JOHN SHERMAN ROBINSON
1909-10 HOWARD DWIGHT SMITH	

### Pulitzer Scholarships

Through the generosity of Mr. Joseph Pulitzer, male graduates of the public high-schools of the city of New York, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School, Teachers College, and the College of Pharmacy. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of \$250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.



## John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to \$200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

*John D. Jones Scholars*

1898-99 FRANCIS BERTODY SUMNER	1904-05 CHARLES RUPERT
1899-1900 JOHN CUTLER TORREY	STOCKARD
1900-01 FREDERICK CLARK PUAL-	1905-06 JOHN HOWARD MC-
MIER	GREGOR
1901-02 WILLIAM E. KELLICOTT	1906-07 DAVID DAY WHITNEY
1902-03 CHARLES ZELENY	1907-08 CHARLES V. MORRILL
1903-04 LOUIS I. DUBLIN	1908-09 DAVID DAY WHITNEY
1909-10 AARON FRANKLIN SHULL, JR.	

## Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such stipend shall be less than the annual tuition fee of the college or of the school in which it is provided.

*Annual Scholars*

HEBER BLANKENHORN.....	<i>English</i>
EDWARD JONES ERWIN.....	<i>English</i>
JAY BROADUS HUBBELL.....	<i>English</i>
HARVEY HATCHER HUGHES.....	<i>English</i>
AUGUSTINE ROBERT MOUNTSIEUR.....	<i>English</i>
ARIE RANDOLPH NORTON.....	<i>Chemistry</i>

## Benefactors Scholarships

Sixty-three scholarships of tuition value were established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others. These scholarships have been assigned to different faculties as follows: Columbia College 20; Applied Science 27; Law 16.

## Medals and Prizes

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The essays should

be signed fictitiously and should be accompanied by a sealed envelope containing the author's name and address. The awards are announced at Commencement and, unless otherwise indicated, are annual.

#### **National Society of the Sons of the American Revolution Medal.**

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

#### **Barnard Medal**

A gold medal of the value of \$200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially (next award 1910) to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor.

#### *Awards*

1895 LORD RAYLEIGH and Professor WILLIAM RAMSAY

1900 Professor WILHELM CONRAD VON RÖNTGEN

1905 Professor HENRI BECQUEREL

#### **Bennett Prize**

A prize established through a gift of \$1000 from Mr. James Gordon Bennett, may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States. The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subject for 1910 is "The Commission System of City Government."

*1909 No award*

#### **Bunner Medal**

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1910, is "The Sonnet in American Poetry."

*Award of 1909*

LEON FRASER

### Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of \$1000 and \$400, respectively, for the best works published in the English language upon the history, geography, archæology, ethnology, philology, or numismatics of North America. The next award will be made in 1913. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treatise shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1913, and for further details, address the Secretary of the University.

*Award of 1893:* First Prize, "History of the United States of America during the Administrations of Jefferson and Madison," by HENRY ADAMS.

Second Prize, "Report of Investigations among the Indians of the Southwestern States," by A. F. BANDELIER.

*Award of 1898:* First Prize, "Stone Implements of the Potomac-Chesapeake Tidewater Province," by WILLIAM HENRY HOLMES. Second Prize, "The Social Organization and the Secret Societies of the Kwakiutl Indians," by FRANZ BOAZ, Ph.D.

*No award in 1903*

*Award of 1908:* First Prize, "The American Colonies in the Seventeenth Century," by HERBERT LEVI OSGOOD, Ph.D., LL.D.

Second Prize, "The History of the Society of Jesus in North America," by Rev. THOMAS ALOYSIUS HUGHES, S. J.

### Grant Squires Prize

The Grant Squires Prize, the income for five years of a fund of \$1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology, and one of the Professors of Political Economy, appointed by the Faculty of Political Science. The next award will be in 1910. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

*Award of 1905*

EDWARD W. CAPEN

**Toppan Prize**

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of \$4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

*Award of 1909*

CHARLES JOSEPH HILKEY

**Prize of the Dante Society**

The Dante Society of Cambridge, Mass., offers an annual prize of \$100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the announcement of the Division of Modern Languages.

**Earle Prize in Classics**

A prize of \$50 established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It will be awarded partly on the basis of the regular work of the year in Greek and in Latin, partly on the basis of a special examination held in May or June. The special examination will cover specified portions of Greek and Latin literature, sight-reading in Greek and in Latin, and prose composition in Greek and in Latin. For 1910 the special subjects will be the Clouds of Aristophanes and Books XII and XIII of the Annales of Tacitus.

*Award of 1909*

ALICE CATHERINE GRANT

**Prizes of the New Jersey Alumni Association**

Two prizes of \$50 each are awarded annually by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Mines, Engineering, and Chemistry, respectively; with the proviso that before the award these students shall complete satisfactorily one half-year of academic work.

*Awards of 1909*

Columbia College—CARL D. ZIGROSSER

Schools of Mines, Engineering, and Chemistry—HENRY F. CORNWELL

### Loan Funds

There are two funds available for short term loans to needy students which may be drawn upon by permission of the President.

### Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of \$150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Committee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee. Payment of one or both instalments of the stipend may be withheld if the student proves undeserving.

The stipend of the scholarship is sufficient to pay the tuition fees of a student electing not more than 15 points in Columbia College. Students permitted by the Dean to take more than 15 points or to elect professional courses must pay the difference between the amount of the scholarship and the charge fixed by the statutes for the courses elected.

**Section I—Competitive Scholarships** awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen units requisite for admission. The examination may be taken at any point where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships . . . . . 4

Founded by the Trustees in 1890, one awarded annually.

*For 1909-10*

Class of 1911—LOUIS GROSSBAUM

Class of 1912—CARL D. ZIGROSSER

Class of 1913—SIEGFRIED HARTIG

Hewitt and Harper Scholarships (2 each) . . . . . 4



Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high-schools.

*For 1909-10*

Harper, Class of 1910—ARTHUR YOKEL  
Hewitt, Class of 1911—HERMAN JOSEPH MULLER  
Harper, Class of 1912—GABRIEL RUBINO  
Hewitt, Class of 1913—HENRY HAROLD NORDLINGER

**Brooklyn Scholarships..... 12—20**

Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.

*For 1909-10*

Class of 1910—PAUL WILLIAM ASCHNER  
Class of 1911—ABRAHAM MAURICE GRILL  
Class of 1912—ARTHUR B. BRENNER  
W. E. SHREWSBURY  
Class of 1913—NATHAN SHANKS  
MICHAEL GOTTESMAN  
CHARLES PERLOWITZ

**Louis K. McClymonds Scholarships**

The Louis K. McClymonds Scholarships (2) of the annual value of \$650, maintained by Mrs. Annie K. McClymonds in memory of her late husband, are open to those candidates for the degree of A.B. or B.S. who shall have satisfactorily completed the requirements for admission, and who in the judgment of the Faculty of Columbia College shall be deemed most deserving of appointment. Other things being equal, preference shall be given to sons of American-born parents who have no other means of providing for their tuition and living expenses during the academic year.

*For 1909-10*

Class of 1910—DALLAS SELWYN TOWNSEND  
Class of 1911—JAMES HANDFORTH MACKINTOSH

**Section II—General Scholarships awarded to applicants**

whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who through physical, mental, or moral weakness, give little promise of future usefulness.

#### A. Open to members of any class:

Faculty Scholarships established by the Trustees.....	6
Beck Scholarship.....	1
Established in recognition of the liberality of Charles Bathgate Beck, A.B. 1877, LL.B. 1879.	
Campbell Scholarships (see page 463).....	2
Class of 1848 Scholarships (see page 464).....	2
Scholarships of the Society for Promoting Religion and Learning.....	8—19
Founded and awarded by this Society.	

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than October 1, 1910, or February 16, 1911. In general awards will not be made later than December 1 or March 1, respectively.

Schermerhorn Scholarships.....	5
Endowed by John Jones Schermerhorn, A.B. 1825.	
Moffat Scholarships.....	2
Endowed by William B. Moffat, A.B. 1838; M.D. 1842.	
Stuart Scholarships (see page 461).....	2
Alumni Association Scholarships.....	4—13
Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.	
Benefactors Scholarships (see p. 422:) Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1)	20—72

#### Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was estab-

lished in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

*Names submitted in 1909*

GEORGE BROKAW COMPTON (selected)  
JOHN GEORGE HANRAHAN, JR.  
WILLIAM ARTHUR TRIPP

**Chanler Historical Prize**

By the bequest of J. Winthrop Chanler, A.B. '47, the income of \$1000 is awarded annually, on Commencement Day, to the member of the graduating class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject, the subject for 1910 being "The Early Settlement of the Northwest Territory."

*Award of 1909*

THOMAS POLLOCK OAKLEY

**Curtis Medals**

An endowment fund of \$1000 established by the late Samuel Putnam Avery an associate of George William Curtis in the work of Civil Service Reform, provides for the award of two medals of gold and silver to students in Columbia College for excellence in public delivery of English orations. Competitors must be either third- or fourth-year students in regular standing, or in exceptional cases, and with permission of the Dean, special students taking corresponding courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President.

*Award of 1909*

Gold Medal—GEORGE BROKAW COMPTON  
Silver Medal—STANLEY HARNED RENTON

## General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see *Announcement of the College for 1900-01*, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to \$30 and the Society's English Prize to \$20.

*No Award in 1909*

## John Dash Van Buren, Jr., Prize in Mathematics

A prize known as the John Dash Van Buren, Jr., Prize in Mathematics was established by Mrs. Louis T. Hoyt in memory of her nephew, John Dash Van Buren, Jr., a member of the Class of 1905. The annual income of \$5000 is awarded to the candidate for an academic degree who passes the best examination in analytical geometry, differential and integral calculus, and in such additional subjects as the Department of Mathematics may prescribe.

*Award of 1909*

LOUIS GROSSBAUM

## Undergraduate Prizes in Belles-Lettres

Three prizes, aggregating \$150, are offered annually by J. E. Spingarn of the Class of 1895, for encouraging the study of belles-lettres among the students of Columbia College. A prize of \$60 is offered for the best poem, \$50 for the best critical essay on a work or works of the imagination, and \$40 for the best short story, to be submitted on or before February 1 of each year. Further information may be obtained from the Secretary of the University.

*Award of 1909*

*For the best short story:* JOHN HURSTMANCEAUX COLTON, 1911

## Award of Honors, Columbia College, 1909

(See page 196)

## General Honors

*Highest Final General Honors*—ALBERT LOUIS BAUM  
 GEORGE BROKAW COMPTON  
 ARTHUR GUNTHER  
 PAUL LOUIS RAPP

*Class of 1909*

ALEXANDER APPEL	THOMAS POLLOCK OAKLEY
CHARLES HERSHENSTEIN	STANLEY HARNED RENTON
EUGENE EDMUND KELLY	LEOPOLD OPPER ROTHSCHILD

*Class of 1910*

MORTIMER BRENNER	WILLIAM DE FOREST PEARSON
RUSSELL THORP KIRBY	ROLLO LINSMORE DE WILTON
WILLIAM MAYER SCHLOSSMAN	

*Class of 1911*

ALEXANDER BRUNO	LOUIS GROSSBAUM
ISMAR GINSBERG	RALPH RANGLES STEWART

*Class of 1912*

ERNEST BOSCH	GABRIEL RUBINO
ARTHUR BEARNS BRENNER	WILLIAM ERNEST SHREWSBURY
SAMUEL JOSHUA LEVINSON	WALTER MOSES WEIS
CARL DANIEL ZIGROSSER	

## Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of \$150 each are available annually for award to candidates for the degree of Bachelor of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion.

*Benefactors Scholarships.*—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships (see p. 422), may be awarded to students who have been in the school for at least one year.

*Faculty Scholarships.*—Four Faculty Scholarships may be awarded to members of any class.

*Beck Prize Scholarship.*—The Charles Bathgate Beck Prize Scholarship is awarded to the first-year candidates who shall pass the best



examination in the subjects relating to Real-Estate Law. The holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be divided.

#### Awards of Beck Scholarships

1900-1901	CHARLES R. GANTER	1904-1905	JOHN M. GRIFFITH
1901-1902	HENRY STARR GIDDINGS	1905-1906	CHARLES B. SHELTON
1902-1903	H. H. BABCOCK	1906-1907	ROBERT LEROY
	E. P. GROSVENOR	1907-1908	CHARLES M. TRAVIS
1903-1904	E. L. BEATTY	1908-1909	EDWARD H. HART
		1909-10	WILDER GOODWIN

#### Convers Prize

A prize, known as the E. B. Convers Prize (the annual income of the sum of \$1000), has been established in the School of Law in memory of E. B. Convers, of the Class of 1866. This prize will be awarded annually to such member of the graduating class in the Law School as may write the best original essay on some legal subject to be chosen from a list of ten subjects prepared each year by the Faculty of Law or on any other legal subject approved by the Faculty.

*No Award in 1909*

### Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

#### Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of \$500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the Professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories, or in other institutions either here or abroad, at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department.

*For 1909-10*

HERMANN VON WECHLINGER SCHULTE.....	Anatomy
DANIEL R. LUCAS.....	Physiology
No award.....	Pathology

#### Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

#### *Proudfit Fellows in Medicine*

1904-08	LINSLEY RUDD WILLIAMS
1908	No award
1909	EDWARDS A. PARK

#### Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about \$700 a year, for the purpose of promoting the discovery of new facts in medical science.

#### *Award of 1909-10*

AUGUSTUS B. WADSWORTH

#### Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

## Alumni Association Prize

The Alumni Association Prize of \$500 is awarded biennially (next award, 1910) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award.

## Cartwright Prize of the Alumni Association

The Cartwright Prize of \$500 was endowed by a bequest of \$10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize.

It is awarded on the same terms as the latter, except that it is open to universal competition.

*Award of 1909*

SAMUEL O. MAST

## Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of \$100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

*No award in 1909*

## Stevens Triennial Prize

The Stevens Triennial Prize, value \$200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition. (Next award 1912.)

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1 of the year of award.

## Scholarships

Thirteen scholarships of the annual value of \$250, and tenable for one year are open to candidates for the degree of Doctor of Medicine. The award of these scholarships is made only to students whose record

for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education.

*Harsen Scholarships*—The income of a fund established by the late Jacob Harsen, M.D., in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen Scholarships," two may be awarded to students taking the second year in the medical course; two to students in their third year; and one to a student in his fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

*Faculty Scholarships*—These are four in number and may be awarded to members of any class.

*Vanderbilt Scholarships*—In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established. These are open to students of any class.

### Scholarships and Prizes in the Schools of Mines, Engineering, and Chemistry

Thirty-five scholarships of the annual value of \$250 each are available annually for award to meritorious candidates for professional degrees in Mines, Engineering, and Chemistry, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

Twenty-seven Benefactors Scholarships (see p. 422) are open to students in the Schools under the Faculty of Applied Science, as follows: Morgan (7), Vanderbilt (7), James (10), Jesup (1), Babcock (1), and Ottendorfer (1). These scholarships may be awarded to students who have been in the University for at least one year.

In addition to the above, eight Faculty scholarships may be awarded to members of any class.

#### Marcus Daly Scholarship in Mining Engineering

The Marcus Daly Scholarship of the annual value of \$1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in mining engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of



competitive scholarships in Columbia College. As soon as the term of one holder of the scholarship is about to expire, another competitive examination is held.

1904-08 HENRY FARMER DAVIS

1908- CORNELIUS G. SULLIVAN

#### Illig Medals

A bequest of \$2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of the Schools of Mines, Engineering, and Chemistry, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

#### *Award of 1909*

PRESTON ERIE LOCKE, E.M.

GEORGE F. COMSTOCK, Met. E.

FRANK LOUIS MASON, E.E.

#### Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of \$1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in mechanical engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the Course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science.

#### *Award of 1909*

HAROLD EDWIN VEHS�AGE, A.B. 1907  
(Selected by the Class for prize)

HENRY WATERMAN REMINGTON, JR.

FRANK ANDERSON HAYES

### Scholarships and Fellowships in the School of Architecture

#### Columbia Fellowship

The Columbia Fellowship in Architecture, the net income of \$13,000, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the School of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1909 is \$535.



*Columbia Fellows in Architecture.* (Until 1905 this was a travelling fellowship awarded biennially)

1890-91 ARTHUR A. STOUGHTON	1902-03 ARTHUR WARE
1892-93 HORACE B. MANN	1904-05 HUBERT VAN WAGENEN, JR.
1894-95 SETH JUSTIN TEMPLE	1905-06 THOMAS WILLIAM LUDLOW
1896-97 WILLIAM KINNE FELLOWS	1906-07 EMILIO LEVY
1898-99 WILLIAM CLARK AYRES	1907-08 No award
1900-01 THEODORE BLONDEL, JR.	1908-09 EDWARD JOHN STORK
	1909-10 WILLIAM LAWRENCE BOTTOMLEY

McKim Fellowships

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of \$20,000, is open to graduates who have received their degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship is \$820.

*McKim Fellows in Architecture*

1891-92 A. C. M. DEL MONTE	1901-02 CHARLES LUDWIG OTTO
ALEXANDER M. WELCH	EDWARD NECARSULMER
1893-95 GEORGE OAKLEY TOTTEN, JR.	1903-04 FRANCIS AUGUSTUS NELSON
WILLIAM LINCOLN THORNE	GEORGE WASHINGTON JACOBY
1895-97 JOHN RUSSELL POPE	1904-05 No incumbent
1897-98 HARRY ALLAN JACOBS	1905-07 LUCIEN EASTER SMITH
1898-99 JOHN RUSSELL POPE	1907-09 WILLIAM LAWRENCE BOTTOMLEY
HARRY ALLAN JACOBS	
1899-1901 LIVINGSTON PELL	1909-10 CHARLES THEODORE EMILE
WILLIAM EDWARD PARSONS	DIETERLEN

Perkins Fellowship

A travelling fellowship, the net income from a fund of \$5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the next award being in 1910. The conditions of award and the purposes of the fellowship are the same as for the McKim Fellowships.

*Perkins Fellows*

1902-03	CHARLES SUMNER KAISER
1906-07	ARTHUR LOBO

Scholarships

Four scholarships of the value of \$200 are awarded in the School of

Pine Arts, under the same general conditions as those in the Schools of Mines, Engineering, and Chemistry (see page 435).

### BARNARD COLLEGE

#### Honors

Honors are of two kinds, departmental and general honors. The regulations governing their award are the same as those for the corresponding "Honors in Columbia College" (see page 197).

#### Departmental Honors

<i>Botany</i>	KATE HUNTINGTON TIEMANN, <i>First Year</i>
<i>Classics</i>	ELIZABETH NITCHIE, <i>Third Year</i>
	ALICE GRANGER JAGGARD, <i>Final</i>
<i>English</i>	HARRIET RUTH FOX, <i>Third Year</i>
	MATHILDE ABRAHAM, <i>Final</i>
<i>German</i>	HELEN HOPKINS GRANDELL, <i>Second Year</i>
	GRETCHEN MELVINE FRANKE, <i>Third Year</i>
	AGNES TERESA O'DONNELL, <i>Third Year</i>
	MARGARET MARY ALACOQUE O'DONNELL, <i>Third Year</i>
<i>Greek</i>	EDITH MOORE VALET, <i>First Year</i>
<i>History</i>	FRANCES FURGER, <i>Third Year</i>
<i>Latin</i>	HARRIET FLORENCE HALE, <i>First Year</i>
	MOLLY BROOKE TEMPLE COYLE, <i>First Year</i>
	ETTA ADELAIDE WAITE, <i>Second Year</i>
<i>Mathematics</i>	EDITH MATILDA MORRIS, <i>First Year</i>
	ELSIE SAVOYE EDDY, <i>Third Year</i>
	MARY CELIA DEMAREST, <i>Final</i>
	EDNA REBECCA SCALES, <i>Final</i>

#### General Honors

MATHILDE ABRAHAM	AGNES TERESA O'DONNELL
TESSIE BARROWS	EDNA PHILLIPS
UNA MIRRIEES BERNARD	HELEN SARAH PHILLIPS
FRANCES BURGER	CLARE HILDEGARD REESE
MOLLY BROOKE TEMPLE COYLE	SARA ROME
MARY CELIA DEMAREST	EDNA REBECCA SCALES
HARRIET RUTH FOX	ETTA MAY SCHWEIS
HARRIET FLORENCE HALE	DOROTHY ALICE SPEAR
MARGARET TOWER HART	BEATRICE CLARA STEGMAN
EDITH JOSEPHI	KATE HUNTINGTON TIEMANN
DOROTHY BROWNING KIRCHWEY	ETTA ADELAIDE WAITE
EDITH MATILDA MORRIS	MARION WEINSTEIN
ELIZABETH NITCHIE	JOSEPHINE RAY WEST

HILDA WOOD

## Highest Final General Honors

ALICE CATHERINE GRANT

## Scholarships

There are altogether forty-one scholarships and three special funds for the aid of needy and deserving students.

For a detailed statement of the values of the various scholarships, the conditions under which they are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

## Competitive

(Awarded for excellence in entrance examinations)

1. *Open to all Students:*
  - Trustees' Competitive Scholarship..... 1
  - Jessie Kaufmann Scholarship..... 1
2. *Open to Particular Students:*
  - Brooklyn Scholarships..... 12
  - Series of 1908-12*
  - Lucille Pulitzer Scholarships..... 3

## Non-competitive

(Awarded on the nomination of the Committee on Scholarships of the Faculty to worthy students who have passed at least one year in College.)

1. *Open to all Students:* 12 Student Scholarships: the Ella Weed Scholarship, the Veltin School Scholarship, the Jennie B. Clarkson Scholarship, the Emily James Smith Scholarship, the Anna E. Barnard Scholarship, the Brearley School Scholarship, the Eliza Taylor Chisholm Memorial Scholarship, the Graham School Scholarship, the Keller School Scholarship.

2. *Open to Particular Students:* the Mrs. Donald McLean Scholarship, the Emma Hertzog Scholarship, the Mrs. Henry Clarke Coe Scholarship.

3. *Special Funds for the Aid of Needy and Deserving Students:* the Arthur Brooks Fund, income of \$5000, the Fiske Scholarship Fund, income of \$5000, the George W. Smith Scholarship Fund, income of \$5000.

## Prizes

Kohn Mathematical Prize of \$50	MARY CELIA DEMAREST
Herrman Botanical Prize of \$50	MILDRED DESHON SCHLESINGER
Flarsheim Prize of \$50	HELEN HOPKINS CRANDELL
<i>Honorable Mention:</i> MARGARET LOWER HART	
Jennie A. Gerard Medal	<i>No award in 1909</i>

Detailed statements about the conditions governing the award of prizes will be found in the current edition of the *Barnard College Announcement*, which can be obtained without charge of the Secretary of Barnard College.

## TEACHERS COLLEGE

## Fellowships and Scholarships

Teachers College awards annually four or more fellowships, eight or more graduate and about forty undergraduate scholarships.

*Fellows for 1909-1910*

CARTER ALEXANDER	RAYMOND W. SIES
ERNEST O. HOLLAND	CHARLES H. ELLIOTT
WILLIAM HEARD KILPATRICK	

*Teaching Fellows*

WILLIAM T. FOSTER	LOUIS CHARLES KARPINSKI
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*Research Scholars*

LOUIS B. BLAN	ISAAC LEON KANDEL
EDWARD A. FITZPATRICK	GUY FRED WELLS

*Graduate Scholars*

LOTUS DELTA COFFMAN	WALTER ALBERT JESSUP
ABBY PORTER LELAND	ARTHUR R. MEAD
EDWARD HARTMAN REISNER	MARY ELIZABETH URCH
ARTHUR ELLIOTT SUFFERN	CHARLES LEONIDAS ROBBINS

## UNDERGRADUATE SCHOLARS

<i>Tileston Scholar</i>	MARION E. FLEISCHMAN
<i>Pierrepont Scholar</i>	JENNIE SMALL
<i>Pond Scholar</i>	ELINOR M. STRAFER
<i>Charlotte Louisa Williams Scholar</i>	ANNIE E. MOORE
<i>Earl Scholar</i>	FRANK N. BARBER
<i>Army and Navy Scholar</i>	ELIZA P. HALL

*Jenkins Scholars*

MABEL CARNEY  
 LEROY A. KING  
 ANNA R. KOLB  
 MAY E. WAKEMAN  
 DOROTHY S. HOBSON

BESSIE M. HICKS  
 MIGNON LEVIN  
 FLORENCE M. LANE  
 CAROL R. HART  
 RAYMOND M. WEAVER

*Macy Scholars*

STELLA PALMER  
 CLARA B. SACKETT

ANNE VAN SCHAICK  
 ALICE E. KEYES

MARY FRAYSER

*Household Arts Scholars**Research Scholar*

JOSEPHINE BERRY

*Caroline Scholars*

ELLEN AMELIA BEERS

AMY LOUISE LOGAN

*Scholars*

ANNA HARTWELL BARNUM  
 IDA S. BLUMENTHAL

ESTHER B. SELEEN  
 MARGARET B. COLLINS

MAUDE C. HILL

**College of Pharmacy****Prizes***Max J. Breitenbach Prize*

A cash prize of \$200 is presented annually by Mr. Max J. Breitenbach for the highest proficiency in the Senior University Course.

*Award in 1909*

JOHN A. STEFFENS

*Kappa Psi Gold Medal*

JOHN A. STEFFENS

*Faculty Graduate Prize*

JOHN H. HECKER



## ALUMNI COUNCIL

In order to afford the alumni direct and responsible representation upon the Board of Trustees of the University, six of its members may be nominated, subject to certain conditions, by the alumni. The trustees elected upon such nomination are styled "alumni trustees," the two now in office being Benjamin Bowden Lawrence, '78 S, and William Fellowes Morgan, '80, '84. Five general and fifteen local associations sent delegates to the meeting called for the nomination of the second alumni trustee.—The Alumni Council serves as a clearing house for all alumni activities, and is closely associated with the committees on appointment and employment.

## ALUMNI ORGANIZATIONS

### General

*Alumni Council.*—J. Howard Van Amringe, '60, chairman; Rudolf Tombo, Jr., '98 A.M., secretary, Columbia University.

*Society of the Early Eighties.*—James Duane Livingston, '80, president; Girard Romaine, '82, secretary, 68 Broad Street.

*Columbia College.*—William Curtis Demorest, '81, president; Ernest Stauffen, Jr., 1904, secretary, 2 Wall Street.

*School of Medicine.*—Samuel W. Lambert, '85 M, president; Henry E. Hale, Jr., '96 M, secretary, 752 West End Avenue.

*School of Law.*—George L. Ingraham, '69 L, president; J. Boyce Smith, Jr., '01, '04 L, Secretary, 115 Broadway.

*Schools of Mines, Engineering, and Chemistry.*—Daniel E. Moran, '84 S, president; Ralph E. Mayer, '79 S, secretary, Columbia University.

*School of Fine Arts.*—Henry S. Kissam, '85 Arch., president; Will Walter Jackson, '92 Arch., secretary, 50 Beekman Street.

*Doctors of Philosophy.*—George A. Soper, '99 Ph.D., president; Rudolf Tombo, Jr., 1901 Ph.D., secretary, Columbia University.

*Barnard College.*—Mrs. R. S. Woodward, Jr., 1901, president; Elizabeth Carpenter Roberts, 1901, secretary, 189 Madison Avenue, Flushing, L. I.

*Teachers College.*—B. B. Burritt, 1903 A.M., president; Laura Whittemore, 1900 T. C., secretary, Teachers College, Columbia University.

*College of Pharmacy.*—Hieronymus A. Herold, '94 Phar., president; Curt P. Wimmer, 1902 Phar., secretary, 115 W. 68th St.

### Local

*California Association.*—Frank B. Carpenter, '83 M., president; John C. Spencer, '82, '85 M., secretary, Butler Building, San Francisco, Cal.

*China Association.*—Dr. F. L. Hawks-Pott, '83, president; F. E. Hinckley, 1905 Ph.D., secretary and treasurer, Clerk, United States Court for China, Shanghai, China.

*Colorado Association.*—Henry Van Kleeck, '76 L., president; Roger W. Toll, 1906 S., secretary and treasurer, 215 East 11 Avenue, Denver, Colo.

*Columbia (Missouri) Association.*—Isidor Loeb, 1901 Ph.D., president; E. W. Hinton, '91 L., secretary, Columbia, Mo.

*Connecticut Association.*—Rev. N. Ellsworth Cornwall, '62, president; John D. Irving, '96, secretary, Yale University, New Haven, Conn.

*District of Columbia Association.*—Marcus Benjamin, '78 S., president; George O. Totten, Jr., '91 Arch., secretary, 808 17th Street, N. W., Washington, D. C.

*Illinois Association.*—Victor Elting, '91, president; William M. L. Fiske, Jr., 1900, secretary and treasurer, 240 La Salle Street, Chicago, Ill.

*Indiana Association.*—Oscar L. Pond, 1902 L., president; Mark H. Miller, 1907 L., secretary, Lemcke Building, Indianapolis, Ind.

*Kansas City Association.*—Hon. H. L. McCune, '86 L., president; Lester W. Hall, 1901 L., secretary, 304 Fidelity Trust Building, Kansas City, Mo.

*Kentucky Association.*—George G. Briggs, '88 L., president; F. A. Busse, 1903 S., secretary, 800 Third Street, Louisville, Ky.

*Louisiana Association.*—Ralph J. Schwarz, 1905 L., president; Leslie Brewer Smith, 1905, secretary and treasurer, 6024 Hurst Street, New Orleans, La.

*Madison (Wisconsin) Association.*—John L. Kind, 1906 Ph.D., president; C. W. Stoddart, 1900, secretary, University of Wisconsin, Madison, Wis.

*Michigan Association.*—E. Taylor Tappey, '79 M., president; Theodore A. McGraw, Jr., 1902 M., secretary, 73 Cass Street, Detroit, Mich.

*Minnesota Association.*—N. M. Cross, '86 L., president; William A. Schaper, 1901 Ph.D., secretary and treasurer, University of Minnesota, Minneapolis, Minn.

*Nashville Association.*—Paul F. Eve, '80 M, president; Eugene Tavenner, 1901, secretary, Peabody College, Nashville, Tenn.

*Nebraska Association.*—Harley G. Moorhead, 1902 L, president; H. B. Alexander, 1901 Ph.D., secretary, University of Nebraska, Lincoln, Neb.

*New England Association.*—Frederick R. Kneeland, '99 S, president; Franklin S. Hoyt, 1905 A.M., secretary and treasurer, care Houghton, Mifflin & Co., 4 Park Street, Boston, Mass.

*New Jersey Association.*—Schuyler Skaats Wheeler, '83, president; Arthur F. Egner, 1903, secretary, Prudential Building, Newark, N. J.

*North Carolina Association.*—Charles L. Raper, 1902 Ph.D., president, Chapel Hill, N. C.; Henry J. Highsmith, T.C., secretary and treasurer, Wake Forest College, Wake Forest, N. C.

*Ohio (Northern) Association (Cleveland).*—H. G. Sherman, '80 M, president; Paul L. Haworth, 1906 Ph.D., secretary and treasurer, care The Burrows Company, Cleveland, Ohio.

*Ohio (Central) Association (Columbus).*—Organization informal. Address Professor F. P. Graves, Ohio State University, Columbus, O.

*Paris Association.*—Rev. John B. Morgan, '64, president; Charles F. Beach, Jr., '81 L, secretary, 95, rue des Petits-Champs, Paris, France.

*Philadelphia Association.*—Lemuel Whitaker, '81, Southern High School, Philadelphia, Pa., president; Stanley Kidder Wilson, 1902, secretary-treasurer, Swarthmore, Pa.

*Pittsburgh Association.*—Dr. Richard B. Faulkner, '75 M, president; Henry N. Moore, 1908, secretary, Kingsley House, 3 Fulton Street, Pittsburgh, Pa.

*St. Louis Association.*—Hon. Julius S. Walsh, '64 L, president; George M. Tuttle, '88, '91 M, secretary and treasurer, 4917 Maryland Avenue, St. Louis, Mo.

*Virginia Association.*—M. A. Martin, 1905 A.M., president Woman's College, Richmond, Va.; Jackson Davis, 1908 A.M., secretary and treasurer, Board of Examiners, Petersburg, Va.

*Washington Association.*—Oliver H. P. La Farge, '91 Arch., president; Guy S. Peterkin, '95 M, secretary, Alaska Building, Seattle, Wash.

*Western New York Association.*—Orson J. Weimert, 1900 L, president; E. Lyman Tilden, 1902 L, secretary, Mutual Life Building, Buffalo, N. Y.

*Wisconsin Association.*—General Charles King, '65, president; H. W. Buemming, '95 Arch., secretary, 521 Jackson Street, Milwaukee, Wisconsin.

*Yonkers Association.*—Thomas Ewing, Jr., '85, president; James F. Prince, '08, secretary, 87 N. Broadway, Yonkers, N. Y.

## UNIVERSITY BIBLIOGRAPHY

FOR THE ACADEMIC YEAR ENDING JUNE 30, 1909

### I. Official Publications of Columbia University

Unless otherwise stated, all the publications named below are distributed without charge upon application to the Secretary of Columbia University.

**Annual Catalogue:** See Table of Contents, pages iii-x. Issued each December. Price 25 cents.

**Annual Reports of the President and the Treasurer to the Trustees:** issued each November.

**Directory of Officers and Students:** issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication.

**General Catalogue of the Alumni:** issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1906. Price, \$2.00. For sale at the University Press Bookstore and in the office of the Registrar.

**Announcements** of the various parts of the work of the University are issued in the spring of each year and contain detailed information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

**Columbia College,** for the work for men leading to the degree of Bachelor of Arts.

**School of Law,** for the work leading to the degree of Bachelor of Laws.

**College of Physicians and Surgeons,** for the work leading to the degree of Doctor of Medicine.

**Schools of Mines, Engineering, and Chemistry,** courses in Mining and Metallurgy, in Chemistry, and

in Civil, Electrical, and Mechanical Engineering.

**Faculties of Political Science, Philosophy, and Pure Science,** for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

**Faculty of Fine Arts,** including courses given in the School of Architecture, the School of Music, the School of Design, and in

the Departments of Fine Arts and Music in Teachers College, and courses in allied subjects.

**Yale-Columbia Courses in Foreign Service.**

**Extension Teaching, Residence Halls, Summer Session.**

**Summer Courses in Medicine.**

**Circular of Information as to Entrance Examinations and Admission.**

**Circular of General Information, with views of the University buildings.**

**Student Organizations, Athletic and Other, under the supervision**

of the Comptroller of Student Organizations.

**Announcements of the several divisions of the University** are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Biology; Classical Philology; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Oriental Languages; Philosophy, Psychology, and Anthropology.

#### Publications of Barnard College:

**Announcement of Barnard College:** contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

**Report of the Dean:** issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

#### Publications of Teachers College:

**Announcement of Teachers College:** issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

**Report of the Dean:** issued each November.

**Special Circulars** describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education,

Kindergarten, Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and of other departments.

These may be obtained without charge upon application to the Secretary of Teachers College.

**Special Announcement of Extension Teaching, and Syllabi of Extension Courses,** a list of which may be had by addressing the Director of Extension Teaching, Teachers College.

**Circular of the Horace Mann School;** a school fully equipped with kindergarten, elementary,



and secondary classes, maintained without charge upon application by Teachers College as a school to the Superintendent of the of observation. Horace Mann School.

This circular may be obtained

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Publications of the College of Pharmacy:

**Announcement of the College** ing the organization, equipment,  
**of Pharmacy:** issued annually; and work of this institution.  
 contains full information concern-

## II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

### Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)  
 WILLIAM H. CARPENTER, *Secretary*  
 JOHN B. PINE, *Treasurer*

Professors MATTHEWS, GIDDINGS, WILSON, PECK, HOWE, and LEE.

During the year ending July 1, 1909, the Press issued:

The revival of scholastic philosophy in the nineteenth century.  
 By JOSEPH LOUIS PERRIER. 1909. viii + 344 p. \$1.75 *net*.——  
 The transition in Illinois from British to American government.  
 By ROBERT LIVINGSTON SCHUYLER. 1909. xi + 145 p. \$1.25 *net*.

The Press also issued numbers of the following<sup>1</sup>:

### Studies in English.

Verse satire in English before the Renaissance. By SAMUEL MARION TUCKER. 1909. xi + 245 p. \$1.00 *net*.——Stage history of Shakespeare's King Richard the Third  
 By ALICE I. PERRY WOOD. 1909. xiii + 186 p. \$1.25 *net*.

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<sup>1</sup> For previous issues from the Press see the *University Catalogue* for 1899-1900, pages 398-399; 1900-1901, pages 455-456; 1901-1902, pages 439-441; 1902-1903, pages 445-449; 1903-1904, pages 439-443; 1904-1905, pages 465-470; 1905-1906, pages 440-444; 1906-1907, pages 384-387; 1907-1908, pages 418-425; 1908-1909, pages 449-451; and the full catalogue issued by The Macmillan Co.

**Germanic Studies.**

The reception of Goethe's Faust in England. By WILLIAM F. HAUHART. 1909. x + 148 p. \$1.00 *net*.

**Indo-Iranian Series**

Sayings of Buddha; the Iti Vuttaka. By JUSTIN HARTLEY MOORE. 1909. xiii + 142 p. \$1.50 *net*.—The Nyaishes, or Zoroastrian litanies. By MANECKJI NUSSEER-VANJI DHALLA. 1909. xxii + 235 p. \$2.00 *net*.

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**Lectures upon the Jesup Foundation.**

Light. By RICHARD COCKBURN MACLAURIN. 1909. ix + 251 p. \$1.50 *net*.

**Contributions to Oriental History and Philology.**

The history of the governors of Egypt. Edited by NICHOLAS AUGUST KOENIG. 1908. 33 + 33 p. \$1.00 *net*.—Assyrian primer. By JOHN DYNELEY PRINCE. 1909. 58 p. \$1.00 *net*.

**Studies in Romance Philology and Literature.**

Pierre le Tourneur. By MARY GERTRUDE CUSHING. 1908. xi + 317 p. \$1.00 *net*.

**Columbia University Quarterly, and Teachers College Record.****III. Publications, Contributions, and Serial Studies from the University<sup>1</sup> with Date of Foundation**

Unless otherwise indicated these are published by the editor from Columbia University. When prices are not given they may be had on application.

**Biological Series.**—1892; managing editors, H. F. Osborn and E. B. Wilson; Columbia University Press, about one volume a year; per volume (from 300 to 400 pages), \$2.00 to \$3.50.

**Botanical Club, Memoirs of the Torrey.**—1889; published by the Club; \$3.00 per volume.

**Botany, Contributions from the Department of.**—1886; short papers, in part reprints; editor, Carlton C. Curtis; per volume (about 330 pages, 30 plates), \$5.00.

No. 237. Botany at Columbia. CARLTON C. CURTIS. Sept. 1908.—No. 238. New hybrids in Dryopteris. RALPH C. BENEDICT. Jan., 1909.—No. 239. Sex in dioecious plants. CHESTER A. DARLING. May, 1909.—No. 240. Nitrogen assimilation of Sterigmatocystis nigra and the effect of chemical stimulation. MARION E. LATHAM. Jan., 1909.

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<sup>1</sup> For purposes of record and information, it is the aim to publish each year a complete list of the numbers issued in each of these series during the preceding academic year. If no list appears under a given heading, it may be assumed that no numbers were issued.

**Botany, Memoirs of the Department of.**—1895; more extended monographs; editor, Carlton C. Curtis; \$6.00 per volume; list on application.

**Chemistry, Contributions from the Havemeyer Laboratories.**—1898; reprints of papers recording research by officers and students in the School of Chemistry; managing editor, C. F. Chandler issued annually; price on application.

Vol. XI. No. 152. The weight of a falling drop and the laws of Tate: The determination of the molecular weights and critical temperatures of liquids by the aid of drop weights, II. By J. LIVINGSTON R. MORGAN and ERIC HIGGINS.—No. 153. Some new formulæ correlating the various constants for non-associated liquids. By ERIC HIGGINS.—No. 154. 4-amino-o-phthalic acid and some of its derivatives. By MARSTON TAYLOR BOGERT and ROEMER REX RENSHAW.—No. 155. The effect of pasteurization upon the development of ammonia in milk. By W. G. WHITMAN and H. C. SHERMAN.—No. 156. The detection and identification of certain reducing sugars by condensation with p-brombenzyl-hydrazide. By E. C. KENDALL and H. C. SHERMAN.—No. 157. Chemical evidence of peptonization in raw and pasteurized milk. By RACHEL H. COLWELL and H. C. SHERMAN.—No. 158. The calorific power of petroleum oils and the relation of density to calorific power. By H. C. SHERMAN and A. H. KROPPF.—No. 159. A comparison of the calculated and determined viscosity numbers (Engler) and flashing and burning points in the oil mixtures. By H. C. SHERMAN, T. T. GRAY, and H. A. HAMMERSCHLAG.—No. 160. The calculation of the critical temperature of an associated liquid from surface tension results. By J. LIVINGSTON R. MORGAN.—No. 161. 3-amino-o-phthalic acid and certain of its derivatives. By M. T. BOGERT and F. L. JOUARD.—No. 162. Researches on quinazolines (21st paper). On certain quinazoline oxygen ethers of the type-N:C (OR) and the isomeric-N R. CO compounds. By M. T. BOGERT and C. E. MAY.—No. 163. A rapid and accurate volumetric method for the determination of cerium in the presence of other rare earths. By F. J. METZGER.—No. 164. Preparation of pure cerium salts and the color of cerium oxide. By A. C. NEISH.—No. 165. Does thorium exist as thorium silicate in monazite? By OTTO KRESS and F. J. METZGER.—No. 166. The condensation of acetone by means of calcium oxide. By ALFRED HOFFMANN.

**Classical Philology, Studies in.**—1902; results of original research in the classical languages and literatures; edited by H. T. Peck and E. D. Perry; Columbia University Press.

Studies in the philosophical terminology of Lucretius and Cicero. By KATHARINE C. REILEY. 1909. ix + 133 p. \$1.25 net.—De infinitivi finalis vel consecutivi constructione apud priscos poetas Graecos. By CHARLES JONES OGDEN. 1909. 60 p. \$1.00 net.—Costume in Roman comedy. By CATHARINE SAUNDERS. 1909. 145 p. \$1.25 net.

**Comparative Literature, Studies in.**—1899; results of literary research or criticism; editors J. B. Fletcher and J. E. Spingarn; Columbia University Press. Eight volumes have already been published, and others are in preparation.

**Education, Columbia University Contributions to.**—1905; a series of monographs published by Teachers College, continuing the educational numbers of the Columbia University Contributions to Philosophy, Psychology, and Education; consist of dissertations for

the doctor's diploma and degree and works of a similar character; four or five numbers per year; 100-200 p. and over.

No. 20. Lessing's education of the human race. Translated by JOHN DEARLING HANEY. 57 p. 75c.—No. 21. Erasmus's Ciceronianus, or a Dialogue on the best style of speaking. Translated by IZORA SCOTT. 130 p. \$1.00.—No. 22. English grammar schools in the reign of Elizabeth. By ANCEL MONROE STOWE.—No. 23. History of teaching of elementary geometry. By ALVA WALKER STAMPER.—No. 24. The legal status of rural high schools in the United States. By EDWIN R. SNYDER. 225 p. Price, cloth, \$1.50.—No. 25. School support in Colonial Massachusetts. By GEORGE LEROY JACKSON, Ph.D. 95 p. Price, cloth, \$1.00.—No. 26. The distribution and functions of mental imagery. By GEORGE HERBERT BETTS. 99 p. Price, cloth, \$1.00.—No. 27. Later Roman education in Ausonius, Capella, and the Theodosian code. By PERCIVAL RICHARD COLE. 30 p. Price, paper 25 cents.

**Educational Reprints, Columbia University.**—1906; published by Teachers College.

**Electrical Engineering, Contributions from the Department of.**—1889: papers (chiefly reprints) by officers and students; managing editor, F. B. Crocker.

**English, Studies in.**—1900; issued by authority of the Department of English; Columbia University Press.

Verse satire in English before the Renaissance. By SAMUEL MARION TUCKER. 1909. xi + 245 p. \$1.00 *net*.—Stage history of Shakespeare's King Richard the Third. By ALICE I. PERRY WOOD. 1909. xiii + 186 p. \$1.25 *net*.

**Geological Department, Contributions from the.**—1892; include short contributions and longer monographs; managing editor, J. F. Kemp.

Vol. VIII, No. 64. Preglacial drainage in Central-Western New York. By AMADEUS W. GRABAU.

Vol. XVII, No. 22. Camarophorella, a Mississippian meristelloid brachiopod. By JESSE E. HYDE.—No. 23. On determination of mineral constitution through recasting of analyses. By ALEXIS A. JULIEN.—No. 24. Buried channels beneath the Hudson and its tributaries. By JAMES F. KEMP.—No. 25. Physical and faunal evolution of North America during Ordovician, Silurian, and early Devonian time. By AMADEUS W. GRABAU.—No. 26. A critical summary of Troost's unpublished manuscript of the Crinoids of Tennessee. By ELVIRA WOOD.—No. 27. The Big Bonanza copper mine, Latouche Island, Alaska. By FRANCIS CHURCH LINCOLN.—No. 28. Studies on the morphology and development of certain rugose corals. By THOMAS CLACHAR BROWN.

**Germanic Studies.**—1899; results of original research in Germanic languages and literatures; Editors, W. H. Carpenter and Calvin Thomas; Columbia University Press.

The reception of Goethe's Faust in England. By WILLIAM F. HAUHART. 1909. x + 148 p. \$1.00 *net*.

**History, Economics, and Public Law, Studies in.**—1891; results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; Columbia University Press; one volume or more issued yearly; price per volume, \$3.00 to \$4.50.



Vol. XXIX. No. 2. New Hampshire as a royal province. By WILLIAM H. FRY. 1908. 320 p. Price, \$3.00.

Vol. XXX. The Province of New Jersey, 1664-1738. By EDWIN P. TANNER. 1908. 712 p. Price, \$4.00.

Vol. XXXII. The enforcement of the statutes of laborers. By BERTHA HAVEN PUTNAM. 1908. 705 p. Price, \$4.00.

Vol. XXXIII. No. 1. Factory legislation in Maine. By ERNEST STAGG WHITIN. 1908. 145 p. Price, \$1.00.—No. 2. Psychological interpretations of society. By MICHAEL MARKS DAVIS, JR. 1909. 260 p. Price, \$2.00.—No. 3. An introduction to the sources relating to the Germanic invasions. By CARLTON HUNTLEY HAYES. 1909. 229 p. Price, \$1.50.

Vol. XXXIV. No. 1. Transportation and industrial development in the middle West. By WILLIAM F. GEPHART. 1909. 273 p. Price, \$2.00.—No. 2. Social reform and the reformation. By JACOB SALWYN SCHAPIRO. 1909. 160 p. Price, \$1.25.—No. 3. Responsibility for crime. By PHILIP A. PARSONS. 1909. 194 p. Price, \$1.50.

Vol. XXXV. No. 1. The conflict over the judicial powers in the United States to 1870. By CHARLES GROVE HAINES. 1909. 180 p. Price, \$1.50.—No. 2. A study of the population of Manhattanville. By HOWARD BROWN WOOLSTON. 1909. 158 pp. Price, \$1.25.

**Indo-Iranian Series.**—1900; work in the Indo-Iranian Languages; editor, A. V. Williams Jackson; Columbia University Press.

Sayings of Buddha; the Iti Vuttaka. By JUSTIN HARTLEY MOORE. 1909. xiii + 142 p. \$1.50 *net*.—The Nyaishes, or Zoroastrian litanies. By MANECKJI NUSSEER VANJI DHALLA. 1909. xxii + 235 p. \$2.00 *net*.

**Lectures upon the Blumenthal Foundation.**—1906; lectures on subjects of practical politics, supported by the income of the George Blumenthal Endowment Fund.

The principles of politics from the viewpoint of the American citizen. By JEREMIAH W. JENKS. 1909. xviii + 188 p. \$1.50 *net*.

**Lectures upon the Jesup Foundation.**

Light. By RICHARD COCKBURN MACLAURIN. 1909. ix + 251 p. \$1.50 *net*.

**Library Bulletins.**—Founded in 1897 as Publications; show the resources of the Library on various subjects; published by the Library.

**Mineralogy, Contributions from the Department of.**—1892; articles and text-books by officers and students; managing editor, A. J. Moses.

**Observatory, Contributions from the.**—1892; astronomical researches; managing editor, Harold Jacoby.

No. 26. An investigation of the figure of the Sun and of possible variations in its size and shape. By CHARLES LANE POOR. 1908. 38 p.—No. 27. Rutherford photographs of stars surrounding  $\beta$  Cygni. By MORRIS FRANCIS WEINRICH. 1909. 34 p.

**Oriental History and Philology, Contributions to.**—1908; edited by Richard J. H. Gottheil; Columbia University Press.

The history of the governors of Egypt. Edited by NICHOLAS AUGUST KOENIG.



1908. 33 $\frac{1}{2}$  + 33 p. \$1.00 *net*.—Assyrian primer. By JOHN DYNELEY PRINCE.  
1909. 58 p. \$1.00 *net*.

**Oriental Studies.**—1902; results of original research in the Oriental languages and literatures; edited by Richard J. H. Gottheil; Columbia University Press.

**Pathology, Studies from the Department of.**—1890; results of research in the department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; price per volume (about 175 pages), \$1.00.

**Philosophy, Archives of.**—1907; original studies by officers and students; edited by F. J. E. Woodbridge; New York: The Science Press; per number, average, 75c.; per volume (about 450 pages), average, \$3.00.

**Physiological Chemistry—Biochemical Researches : Collected Reprints of Publications from the Laboratory of.**—1899; results of research in the department; managing editor, William J. Gies; price per volume (of 700–800 pages), \$5.00.

**Physiology, Studies from the Department of.**—1900; reprints of articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee.

**Psychology, Archives of.**—1905; edited by R. S. Woodworth; New York: The Science Press; per volume (600–700 pages), \$5.00.

No. 11. The hearing of primitive peoples. By FRANK G. BRUNER. 1908. 3 + 113 p.—No. 12. Studies in development and learning. By EDWIN A. KIRKPATRICK. 1909. 5 + 101 p.—No. 13. The inaccuracy of movement. By HARRY L. HOLLINGSWORTH. 1909. 3 + 87 p.—No. 14. A quantitative study of rhythm. By HERBERT WOODROW. 1909. 66 p.

**Romance Philology and Literature, Studies in.**—1900; edited by Adolphe Cohn and H. A. Todd; Columbia University Press.

Pierre le Tourneur. By MARY GERTRUDE CUSHING. 1908. 11 + 317 p. \$1.50 *net*.

**Surgery, Department of—Studies from the Laboratory for Surgical Research.**—1903; reprints of published reports of the studies and investigations carried on in the Laboratory; edited by JOSEPH A. BLAKE.

Vol. I. 1903–1907: A. Studies on intestines and stomach. B. Studies on glands. C. Studies on artificial respiration. D. Miscellaneous studies. 1908. Various pagings, ill. pl.

**University Extension Syllabi.**—1903; contain outlines of study, bibliographies, and references, and furnish systematic guides for the private student, reading circles, and classes of instruction; Series A contains syllabi of collegiate courses; Series B contains syllabi

of shorter lecture courses; New York: Teachers College; price, 10 cents per copy.

Series A, No. 16. Theory and practice of teaching in the secondary school. By JULIUS SACHS.—No. 21. Wood and wood-working. By WILLIAM NOYES.—No. 23. Theory and practice of teaching in the elementary schools. By Professors STRAYER, BAKER, SMITH, DODGE, and JOHNSON.

A list of other books and pamphlets published by Teachers College may be had on application to Bureau of Publications, Teachers College, New York City.

#### IV. Journals

*Issued under the Editorial Direction of Officers of Columbia University*

**Bulletin of the Torrey Botanical Club.**—1870; devoted to scientific botany in its widest sense; associate editors, T. E. Hazen and H. M. Richards; published by the Club monthly, 30c.; per year (about 650 p., with 40 plates), \$3.00.

**Charities.**—1897; devoted to local and general philanthropy; editor, Edward T. Devine; Charity Organization Society; weekly, 5c.; monthly, 10c.; per year (about 600 pages), \$2.00.

**Classical Weekly.**—1907; continuing the New York Latin Leaflet; official organ of the Classical Association of the Middle States and Maryland; will contain a complete bibliography of current Greek and Latin articles and publications; Gonzalez Lodge, editor-in-chief, assisted by an editorial board of six; weekly; per year, \$1.00.

**Columbia Alumni News.**—1909. Published by the Alumni Council of Columbia University; weekly, 5c.; per college year, \$1.00.

**Columbia University Quarterly.**—Continuing, since 1898, the *Bulletin*, founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia University, for the information of its officers, alumni, and friends; edited by a committee (managing editor for 1909, R. Tombo, Jr.); Columbia University Press; quarterly (125 pages), with occasional supplements, 30c.; per year, \$1.00.

**Economic Geology; with which is incorporated the American Geologist.**—1905; devoted to geology as applied to mining and allied industries; J. F. Kemp, associate editor; Economic Geology Pub. Co., Lancaster, Pa.; semi-quarterly; 50c.; per year, \$3.00.

**Educational Review.**—1891; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York: Educational Review Publishing Co.; monthly, except July and August (108 p.); per year, \$3.00; foreign, \$3.50.

- Hibbert Journal.**—1902; a quarterly review of religion, theology, and philosophy; C. J. Keyser, the representative of the American editorial board; London: Williams and Norgate; per year, \$2.50 per copy, 75c.
- Journal of Geography.**—1902; devoted to the interests of teachers of geography in elementary, secondary, and normal schools; edited by Richard E. Dodge; published by Teachers College; monthly, except July and August (32 p.), per year, \$1.00.
- Journal of Nervous and Mental Diseases.**—1872; devoted to the study of diseases of the nervous system; advisory board of editors includes M. A. Starr and F. Peterson; Alliance Press Co.; monthly (80 p.), 50c.; per year, \$5.00.
- Journal of Philosophy, Psychology, and Scientific Methods.**—1904; short articles, reports, discussions, abstracts, and reviews in the field of scientific philosophy and psychology; edited by Frederick J. E. Woodbridge; The Science Press; bi-weekly (28 p.), 15c.; per year, \$3.00.
- Nature-Study Review.**—1904; devoted to all phases of nature-study in schools; official journal of the American Nature-Study Society; editor, Maurice A. Bigelow, 525 West 120th Street, New York; (9 monthly numbers, 32 p.) 15c.; per year, \$1.00.
- Political Science Quarterly.**—1886; devoted to the study of politics, economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, Munroe Smith); Boston and New York: Ginn & Co.; quarterly (about 190 p.), 75c.; per year, \$3.00.
- Popular Science Monthly.**—1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York: The Science Press; monthly (96 p.), 30c.; per year, \$3.00.
- School of Mines Quarterly.**—1879; official organ of the Alumni Association of the Schools of Science; original papers on engineering, metallurgy, chemistry, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; per year, \$2.00.
- Science.**—1883; devoted to the advancement of science; edited by J. McK. Cattell; New York: Science Press; weekly, 15c.; per year (about 2000 p.), \$5.00.
- Teachers College Record.**—1899; practical problems of elementary and secondary education, and the professional training of teachers; edited by J. E. Russell; Columbia University Press; bi-monthly, except July (about 100 p.), 30c.; per year, \$1.00.

**Torrey.**—1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Jean Broadhurst; published by the Torrey Botanical Club; monthly, 15c.; per year, \$1.00.

*Issued with the Editorial Coöperation of Officers of Columbia University*

**American Anthropologist.**—1888; original contributions and reviews on anthropology; edited by a board, including Franz Boas; New York: The Science Press; quarterly, \$1.25; per year (about 800 p.), \$4.00.

**American Historical Review.**—1896; devoted to the interests of historical study in the United States; publishes reviews of important works, results of original research, documents for the use of investigators, and news of the work of European scholars; six editors, including W. M. Sloane; New York: The Macmillan Co.; quarterly; per copy, \$1.00; per year, \$4.00.

**American Journal of Anatomy.**—1901; edited by a board including G. S. Huntington; T. H. Morgan and E. B. Wilson, collaborators; published in Philadelphia: Wistar Institute; quarterly; per year, \$5.00.

**American Journal of Archæology.**—1885; official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens, in Rome, and in Palestine, and annual reports of these bodies, and issuing special bulletins; honorary editors include J. R. Wheeler; business manager is C. H. Young; New York: The Macmillan Co.; quarterly, \$1.50 per year, \$5.00.

**American Journal of Physiology.**—1898; edited for the American Physiological Society; original contributions; seven editors, including F. S. Lee; Boston: Ginn & Co.; monthly; per volume (about 500 p.), \$5.00.

**American Journal of Semitic Languages and Literatures.**—1896; containing "Hebraica"; J. Dyneley Prince, member of advisory board of editors; Chicago: University of Chicago Press; quarterly; per copy, \$1.25; per year, \$4.00.

**American Naturalist.**—Covering whole range of "natural history"; original articles and reviews; edited by J. McK. Cattell; H. M. Richards, associate editor; New York: Science Press; monthly; \$4.00 per year.



- Bibliographical Society of America; Proceedings and Papers.**—1906; publication committee includes C. Alex. Nelson; yearly; \$3.00 to members of Society.
- Biochemisches Centralblatt.**—1902; devoted to Chemistry and Medicine; sub-editors include R. Burton-Opitz; New York: G. E. Stechert; bi-monthly; per year, \$7.00.
- Biological Bulletin.**—1899; short original contributions; seven editors, including E. B. Wilson; Lancaster, Pa.: New Era Printing Co.; monthly; per volume (six numbers), \$3.00.
- Biophysikalisches Centralblatt.**—1905; Biology, Physiology, and Pathology; sub-editors include R. Burton-Opitz; Leipzig: Gebrüder Borntraeger; semi-monthly; per year, 30 marks.
- Botanisches Centralblatt.**—Since 1902 an international review for botanical literature. H. M. Richards, American associate editor for topics connected with physiology and ecology; Jena: Gustav Fischer; weekly; 28 marks per year.
- Bulletin of the American Mathematical Society.**—1891; short original contributions, reviews, reports, notes on current events, lists of new publications; editors, F. N. Cole, D. E. Smith, and others; New York: The Macmillan Co.; monthly, except July and August; per year (about 500 p.), \$5.00.
- Chemical Abstracts.**—1907; M. T. Bogert, editor of organic abstracts, whose staff includes V. J. Chambers, K. G. Falk, and J. M. Nelson; Easton, Pa.: American Chemical Society; semi-monthly, per year, \$6.00.
- German-American Annals.**—1897 as *Americana Germanica*; comparative study of the relations of Germany and America; original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas; Philadelphia: German-American Historical Society; monthly (about 64 p.), 25c.; per year, \$3.00.
- Goethe Jahrbuch.**—1880; edited by Ludwig Geiger; English-American bibliography compiled by Rudolf Tombo, Jr.; Frankfort a./M.; yearly (about 430 p.), 10 marks.
- Hygienisches Centralblatt.**—1906; covering the whole range of hygiene; edited by Dr. Paul Sommerfeld; R. Burton-Opitz, American sub-editor; Leipzig: Gebrüder Borntraeger; monthly; 30 marks per volume.
- Internationale Wochenschrift für Wissenschaft, Kunst und Technik.**—1907; founded by Friedrich Althoff; edited by Paul Heinneberg; New York correspondent, R. Tombo, Jr.; Berlin: Beigabe zur *Münchener Allgemeinen Zeitung*; per number 25 pf.; per quarter 4 M. 30 pf.



- Internationales Centralblatt für Laryngologie, Rhinologie und verwandte Wissenschaften.**—1884; American editor, G. M. Lefferts; Berlin: A. Hirschwald; monthly; per year (about 700 p.), 15 marks.
- Journal of Biological Chemistry.**—Editors include C. A. Herter; W. J. Gies a collaborator.
- Journal of Comparative Neurology and Psychology.**—1891; original compositions, reviews, and notices; associate editors include O. S. Strong, with collaboration of H. E. Crampton, F. S. Lee, T. H. Morgan, E. L. Thorndike, and others; published at Philadelphia: Wistar Institute; bi-monthly; per vol., \$4.00.
- The Journal of Experimental Zoölogy.**—1904; original contributions on experimental zoölogy, morphology, and physiology; eleven editors, including E. B. Wilson and T. H. Morgan; Philadelphia: Wistar Institute; quarterly; per year, \$5.00.
- The Journal of Industrial and Engineering Chemistry.**—1909; published by the American Chemical Society; associate editors include William Campbell; Easton, Pa.: monthly; per year, \$6.00.
- Journal of Morphology.**—1887; original contributions on purely morphological subjects; fourteen editors, including E. B. Wilson and T. H. Morgan; Philadelphia: Wistar Institute; per year, \$9.00.
- Medical Review of Reviews.**—1895; associate editor, A. C. Prentice; New York: Review of Reviews Co. (incorporated); monthly (64 p.); per year, \$1.00.
- Modern Philology.**—1903; research in modern languages and literatures; advisory board includes Calvin Thomas; University of Chicago Press; quarterly; per year, \$3.00.
- Transactions of the American Mathematical Society.**—1900; research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; Edward Kasner, associate editor; New York: The Macmillan Co.; quarterly; per year (about 500 p.), \$5.00.

## V. Student Publications at Columbia University

- The Barnard Bulletin.**—1901; four pages, weekly; Barnard College news; per copy, 5c.; per year, \$1.50.
- The Columbia Bluebook.**—1900; a small handbook, containing information in regard to every form of student activity at Columbia and an engagement calendar; published by the Christian Association and distributed free to all new students in the University each year; editor for 1909-1910 N. H. Angell, 1910 C.

- The Columbia Jester.**—1901; an illustrated comic paper, monthly during the college year; averages ten pages of reading matter with illustrations, cartoon, and a cover; per copy, 15c.; per year, \$1.00 (by mail, \$1.20).
- The Columbia Law Review.**—1901; legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; edited by a board of about sixteen students of the School of Law; monthly, November to June; (70 p.); per copy, 30c.; per year, \$2.00.
- The Columbia Monthly.**—Founded in 1903, by the combination of the *Columbia Literary Monthly* (1893) and *Morningside* (1896); an illustrated magazine; articles on Columbia University, of historical and of immediate interest, stories, verse, essays, editorials, and book reviews; monthly, November to June; per year, \$1.00.
- The Columbian.**—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other information concerning student life; published the week before Christmas by third-year men, six elected from Columbia College and six from the Schools of Applied Science. Volume XIX was published by the class of 1909.
- The Columbia Spectator.**—1877; published daily, except Sunday; edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, \$3.50.
- The Mortarboard.**—1897; an annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories, sketches, etc.; published by a board of about eight third-year students of Barnard College; price, \$1.00.
- The Senior Class-Book.**—A book privately printed by the graduating class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899, it has been continued by the succeeding classes; includes pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.
- The Teachers College Bulletin.**—1901; four pages, weekly; Teachers College news; per copy, 5c.; per year, \$1.00 (by mail, \$1.50).
- Year-Book of the Columbia University School of Architecture.**—1904; architectural annual, published by the Architectural Society, showing work in the departments of design and drawing.

## SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

### GEBHARD FUND:

Bequest of Frederick Gebhard of \$20,000, for the endowment of a professorship in the German Language and Literature. 1843

### FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING:

Gift (through Professor McVickar) of \$1000, for the endowment of two prizes, "The Society's Greek Seminary Prize," and "The Society's English Seminary Prize." 1852

### HARSEN PRIZE FUND:

Bequest of Jacob Harsen, M.D., Class of 1825, of \$31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

### MOFFAT SCHOLARSHIP FUND:

Bequest of William B. Moffat, M.D., Class of 1838, of \$2000, for the endowment of scholarships. 1862

### STEVENS PRIZE FUND :

Gift of Dr. A. H. Stevens, Professor of Surgery, 1860-1867, of \$1899.88, for the endowment of a prize. 1866

### JOSEPH MATHER SMITH PRIZE FUND :

Subscription fund of \$2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

### CHANLER PRIZE FUND:

Bequest of John Winthrop Chanler, Class of 1847, of \$1000, for the endowment of an essay prize. 1877

### SCHERMERHORN SCHOLARSHIP FUND:

Bequest of John Jones Schermerhorn, Class of 1825, of \$5000, for the endowment of scholarships. 1877

### TYNDALL FELLOWSHIP FUND:

Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of \$10,945.50, for the endowment of a fellowship in Physics. 1885

## ALONZO CLARK SCHOLARSHIP FUND:

Gift of \$14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875-1884, for the endowment of a scholarship. 1887

## McKIM FUND:

Gift of Charles F. McKim of \$20,000, for the endowment of travelling fellowships in Architecture. 1889

## COLUMBIA FELLOWSHIP IN ARCHITECTURE FUND:

Gift of F. Augustus Schermerhorn, Class of 1868, of \$13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

## BARNARD FUND FOR THE INCREASE OF THE LIBRARY:

Bequest by President Barnard of \$59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of \$16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

## BARNARD FELLOWSHIP FUND:

Bequest by President Barnard of \$10,000, for the endowment of a fellowship for encouraging scientific research. 1889

## DACOSTA FUND:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886-1890, of \$100,000, has provided \$86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of \$20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

## SLOANE MATERNITY HOSPITAL FUND:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of \$475,000, for the endowment of the Hospital. 1890 }  
1904 }

## VANDERBILT CLINIC ENDOWMENT FUND:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of \$115,000, for the endowment of the Clinic. 1890

## AVERY ARCHITECTURAL FUND:

Gift of Samuel P. Avery and Mary Ogden Avery of \$30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890

## LOUBAT FUND:

Gift of Joseph F. Loubat of \$7000, for the endowment of two prizes of \$1000 and \$400 to be awarded once in every five years. See page 424. 1892

## TROWBRIDGE FUND:

Gift of \$10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge Ph.D., LL.D., Professor of Mining Engineering, 1877-1892,<sup>1</sup> subject at present to a life interest. 1893

## PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of \$100,000, for the endowment of scholarships. One half of the sum to be used on improvements on the new site at 116th Street. 1893

## BENNETT PRIZE FUND:

Gift of James Gordon Bennett of \$1000 for the endowment of an essay prize. 1893

## HENRY DRISLER CLASSICAL FUND:

Gift of \$10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

## GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of \$1050, for the endowment of an essay prize. 1895

## STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of \$6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881. 1896

## ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of \$6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

## ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at \$178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

## STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of \$5000, for the aid of needy students. 1896

## H. C. BUNNER PRIZE FUND:

Gift of \$1000, for the endowment of an essay prize. 1896

<sup>1</sup> Income paid to Mrs. Trowbridge during pleasure of Trustees.



**ILLIG FUND:**

Bequest of William C. Illig, Class of 1882 (S. of M.), of \$2000, for the endowment of scholarship medals. 1897

**MOSENTHAL FELLOWSHIP FUND:**

Gift of friends of the late Joseph Mosenthal of \$7500, to found a fellowship in Music. 1898

**PERKINS FELLOWSHIP FUND:**

Bequest of Willard B. Perkins of \$5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

**SCHIFF FELLOWSHIP FUND:**

Gift of Jacob H. Schiff of \$15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

**SEIDL FUND:**

The proceeds, amounting to \$12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

**WARING MUNICIPAL FUND:**

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of \$100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

**FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:**

Gift of an anonymous donor of \$50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

**BECK FUNDS:**

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of \$10,000; \$2000 to found one scholarship in Columbia College; \$8000 to endow a prize in the Law School. 1899

**CURTIS FUND:**

Gift of the George William Curtis Memorial Committee of \$10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

## DYCKMAN FUND:

Gift of Isaac Michael Dyckman of \$10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research."

1899

## ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters.

1899

## MARIA McLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine.

1899

## TRUST FUND FOR PSYCHOLOGY:

Gift of \$100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University.

1899

## CARL SCHURZ FELLOWSHIP FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz.

1900

## CARL SCHURZ LIBRARY FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature.

1900

## LAW BOOK TRUST FUND:

Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift (\$1500); John Jay Jenkins Legacy (\$500); John McKeon Fund (\$1000); Sampson Simpson Fund (\$1000); and the Edgar J. Nathan Gift (\$250); total, \$4250, the income to be applied to the purchase of law books; and by act of the Finance Committee, October 2, 1907, by adding the Payne Law Gift (\$1000).

1900

## CAMPBELL SCHOLARSHIP FUND:

Gifts of \$3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847.

1900

## GERMAN LECTURE FUND:

Gifts to the sum of \$1000 for an endowment of Public Lectures in German at the University.

1901

**EATON PROFESSORSHIP FUND:**

Bequest of the late Dorman B. Eaton of \$100,000, to endow and maintain a Professorship of Administrative Law and Municipal Science. 1901

**DEAN LUNG PROFESSORSHIP IN CHINESE FUND:**

Gift of anonymous friends of \$213,000, towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese. 1901

**CLASS OF 1848 SCHOLARSHIP FUND:**

Gift of \$10,000 of an anonymous friend to found two scholarships in the College. 1902

**GEORGE WILLIAM CURTIS MEDALS FUND:**

Gift of \$1000 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

**PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:**

Gift of \$1000 to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society, who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

**PHŒNIX LEGACY:**

Amounting at present to \$178,597.08, being on account of one-third part of the residuary estate of the late Stephen Whitney Phoenix, bequeathed to Columbia College in 1881. 1902

**JULIUS BEER LECTURE FUND:**

Legacy of the late Julius Beer of \$10,000 to establish this fund. 1903

**JAMES S. CARPENTIER FUND:**

Gift of \$125,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

**GUSTAV GOTTHEIL FELLOWSHIP FUND:**

Gift of \$10,000 from Temple Emanu-El to establish a fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

## LOUBAT PROFESSORSHIP FUND:

Gift of \$100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

## RICHARD BUTLER SCHOLARSHIP FUND:

Gift of \$5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

## DARLING PRIZE FUND:

Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds, of \$1000 to endow an annual prize in the School of Engineering. 1903

## JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:

Gift of \$1,000,000 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

## R. S. CARPENTIER FUND:

Gift of \$100,000 from H. W. Carpentier, '48, towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

## CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:

Bequest of Ellen Josephine Banker of \$9500 to establish a scholarship in memory of her deceased brother, Cornelius Heeney Gottsberger. 1904

## PHILOLEXIAN PRIZE FUND:

Fund of \$1326.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

## TOPPAN PRIZE FUND:

Gift of \$4000 from Mrs. Sarah M. Toppan to endow, in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

## ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:

Gift of \$50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams, E.E., 1897; A.M., 1898. 1904

## GARTH MEMORIAL FUND:

Gift of \$16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

## GUY B. MILLER FUND:

Bequest of the late Guy B. Miller of \$10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1904

## SCHIFF PROFESSORSHIP FUND:

Gift of \$100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

## THEODORE ROOSEVELT PROFESSORSHIP FUND:

Gift of James Speyer of \$50,000 for the endowment of a professorship of American History and Institutions in the University of Berlin. 1905

## MATHEMATICAL PRIZE FUND:

Gift of Mrs. Louis T. Hoyt of \$5000, in memory of her nephew, John Dash Van Buren, Jr. 1906

## E. B. CONVERS PRIZE FUND:

Gift of Miss Alice and Miss Clara B. Convers of \$1000, in memory of their brother, Ebenezer Buckingham Convers, LL.B., 1866, to endow a prize in the Law School. 1906

## E. R. CARPENTIER FUND:

Gift of Mrs. Maria H. Williamson of \$150,000 for the endowment of a professorship or an endowed lectureship on the Origin and Growth of Civilizations among Men. 1906

## BLUMENTHAL FUND:

Gift of George Blumenthal of \$100,075 for the endowment of a Chair of Politics. 1906

## HENRY BERGH FUND:

Anonymous gift of \$100,000, the income to be used for the inculcating of a spirit of kindness and consideration toward the lower animals. 1907

## EARLE PRIZE FUND:

Gift of \$907.87 from the Earle Memorial Committee to establish the Earle Prize in classics. 1907

## GEORGE G. WHELOCK FUND:

Gift of \$5000 from Mrs. George G. Wheelock and William A. Wheelock to establish, in memory of the late Dr. George G. Wheelock, the George G. Wheelock Fund, the income to be used for the needs of the Department of Physiology. 1907

## INDO-IRANIAN FUND:

Anonymous gift of \$15,000, the income to be used for the maintenance of the Department of Indo-Iranian Languages. 1908



## NATHANIEL CURRIER FUND:

Legacy of \$50,000, from Laura Currier, to establish the Nathaniel Currier Fund for the purchase of books for the Library. 1908

## REVEREND ORLANDO HARRIMAN FUND:

Gift of \$100,000, from the children of the late Reverend Orlando Harriman, of the Class of 1835, as a memorial to their father, the income, until further action by the Trustees, to be applied to the salary of the Professor of Rhetoric and English. 1908

## WILLIAM MITCHELL FELLOWSHIP FUND:

Legacy of \$10,000 from the late Benjamin D. Silliman to establish, in honor and memory of his friend William Mitchell, deceased, the William Mitchell Fellowship Fund in Letters or Science. 1908

## WILLIAM BROCK SHOEMAKER FUND:

Gift of \$10,000 from Ella de Peyster Shoemaker and Henry I. Shoemaker, to establish a fund in memory of William Brock Shoemaker, of the Class of 1902, for the aid of self-supporting students. 1908

## D. WILLIS JAMES FUND:

Legacy of \$100,000, from the late D. Willis James, to be devoted to the Chair of Geology. 1908

## SPECIAL RESEARCH FUND:

Gift of \$50,000, from an anonymous donor to constitute a Special Research Fund for the purpose of investigating the subject of cancer. 1908

## SAMUEL ANTHONY GOLDSCHMIDT FELLOWSHIP FUND:

Gift of \$16,250, from George B. Goldschmidt to establish and endow the Samuel Anthony Goldschmidt Fellowship in Chemistry, in memory of Samuel Anthony Goldschmidt, of the Class of 1868. 1908

## JOHN ORDRONAU PRIZE FUND:

Legacy of \$3000, from the late John Ordronau, Professor of Medical Jurisprudence 1860-1897, and Emeritus Professor 1898-1908, to establish prizes in the Law School. 1908

## ACADEMIC CALENDAR

- 1909—Sept. 22—Wednesday, First half-year, 156th year, begins. Registration ceases for students matriculating for the first time. Later applications received only on payment of an additional fee of \$5. Fellows and Scholars to report to the Registrar.
- Sept. 28—Tuesday, Last day of matriculation under the Faculties of Political Science, Philosophy, and Pure Science. Later applications received only on payment of an additional fee of \$5.
- Oct. 19—Tuesday, Stated meeting of University Council.
- Nov. 2—Tuesday, Election day, holiday.
- Nov. 25—Thursday, to Nov. 27, Saturday, inclusive, Thanksgiving holidays.
- Dec. 21—Tuesday, Stated meeting of University Council.
- Dec. 22—Wednesday, to
- 1910 Jan. 5—Wednesday, inclusive, Christmas holidays.
- Jan. 10—Monday, Mid-year entrance examinations begin.
- Jan. 26—Wednesday, Mid-year examinations begin.
- Feb. 5—Saturday, First half-year ends.
- Feb. 7—Monday, Second half-year begins. Registration ceases for students entering the second half-year. Later applications received only on payment of an additional fee of \$5. Fellows and Scholars to report to the Registrar.
- Feb. 15—Tuesday, Stated meeting of University Council.
- Feb. 22—Tuesday, Washington's Birthday, holiday.
- Mar. 1—Tuesday, Last day for filing applications for University Fellowships. Last day for filing applications for the oral examination for the degree of Doctor of Philosophy for 1909-10.
- Mar. 24—Thursday, to Mar. 28, Monday, inclusive, Easter holidays.
- Apr. 1—Last day for filing applications for examination on the dissertation for the degree of Doctor of Philosophy under the Faculty of Political Science for 1909-10. Last day for submitting dissertations for the degree of Doctor of Philosophy under the Faculties of Philosophy and Pure Science.

- Apr. 15—Last day for filing applications for examination and for submitting essay for the degree of Master of Arts for 1909-10.
- Apr. 19—Tuesday, Stated meeting of University Council.
- May 2—Monday, Last day for filing applications for University Scholarships.
- May 16—Monday, Final examinations begin.
- May 17—Tuesday, Stated meeting of University Council.
- May 29—Sunday, Baccalaureate service.
- May 30—Monday, Memorial Day. Class Day.
- May 31—Tuesday, Alumni Day.
- June 1—Wednesday, Commencement Day.
- June 8—Wednesday, Second half-year ends.
- June 13—Monday, Entrance examinations begin.
- July 6—Wednesday, Eleventh Summer Session opens.
- Aug. 17—Wednesday, Eleventh Summer Session closes.
- Sept. 19—Monday, Entrance examinations and examinations for deficient and debarred students begin.
- Sept. 21—Wednesday, Registration begins.
- Sept. 27—Tuesday, Registration ceases for students previously matriculated. Later applications received only on payment of an additional fee of \$5.
- Sept. 28—Wednesday, First half-year, 157th year, begins. Fellows and Scholars to report to the Registrar.

## SUMMARY

### OFFICERS

Professors (not including 2 administrative officers of professorial rank) .....	166
Adjunct Professors .....	65
Clinical Professors. ....	11
Associates .....	39
Instructors.....	89
Demonstrators. ....	5
Tutors .....	40
Curators.....	2
Lecturers and other Special Officers of Instruction.....	42
Assistants.....	68
Clinical Assistants.....	87
UNIVERSITY OFFICERS OF INSTRUCTION.....	614
OTHER INSTRUCTORS IN TEACHERS COLLEGE.....	65
OTHER INSTRUCTORS IN COLLEGE OF PHARMACY.....	6
	<hr/> 685
UNIVERSITY OFFICERS OF ADMINISTRATION.....	26
OTHER OFFICERS OF ADMINISTRATION, TEACHERS COLLEGE AND COLLEGE OF PHARMACY .....	9
	<hr/> 35
EMERITUS OFFICERS.....	15
	<hr/> TOTAL.....
	735
HORACE MANN SCHOOL and SPEYER SCHOOL ( <i>not included above</i> ).....	85

### STUDENTS

#### COLUMBIA COLLEGE:

Fourth-year class.....	90
Third-year " .....	93
Second-year " .....	172
First-year " .....	223
Non-matriculated .....	58
	<hr/> 636
Carried forward.....	636

Brought forward.....	636	
The School of LAW:		
Third-year class .....	85	
Second-year " .....	113	
First-year " .....	102	
Non-matriculated.....	18	
	<hr/>	318
The School of MEDICINE:		
Fourth-year class.....	69	
Third-year " .....	69	
Second-year " .....	73	
First-year " .....	83	
Non-matriculated .....	16	
	<hr/>	310
The Schools of MINES, ENGINEERING, and CHEMISTRY:		
Fourth-year class.....	73	
Third-year " .....	147	
Second-year " .....	213	
First-year " .....	214	
Non-matriculated .....	20	
	<hr/>	667
FINE ARTS:		
Architecture .....	134	
Music .....	23	
	<hr/>	157
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE.....	1030	
	<hr/>	
TOTAL.....		3118
BARNARD COLLEGE.....		522
TEACHERS COLLEGE.....		1025
COLLEGE OF PHARMACY.....		277
		<hr/>
TOTAL.....		4942
Deduct Double Registration.....		194
		<hr/>
NET TOTAL OF RESIDENT STUDENTS.....		4748
Summer Session Students, 1909.....	1971	
Deduct Double Registration.....	487	
	<hr/>	1484
		<hr/>
GRAND TOTAL OF RESIDENT STUDENTS....		6232
Students in extension courses (does not include registrations at local centres).....		1671

December 1909.



## DIRECTORY OF OFFICERS

B.	= Barnard College.	Hv.	= Havemeyer.	S. M. H.	= Sloane Maternity
East.	= East Hall.	L.	= Library.		Hospital.
E. H.	= Earl Hall.	M.	= School of Mines.	Sp. S.	= Speyer School.
E.	= Engineering.	P. & S.	= College of Physi-	T.	= Teachers College.
F.	= Fayerweather.		cians and Surgeons.	U.	= University.
Gym.	= Gymnasium.	Phar.	= College of Pharmacy.	V. C.	= Vanderbilt Clinic.
Hm.	= Hamilton.	S.	= Schermerhorn.	W.	= West.
H. M. S.	= Horace Mann School.				

Hartley, Livingston, Whittier, Brooks = Residence Halls.

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Abbe, R. Assoc. (20)			P. & S.	13 W. 50
Abbott, A. Tr.			H. M. S.	401 W. 118
Abbott, Julia W. Tutor			T.	424 W. 119
Abbott, N. Prof. (18)	Tu. Th. 3-4	47	305 L.	515 W. 124
Adler, F. Prof. (13)	M. 11:30		At residence	152 W. 77
Agger, E. E. Lect. (26)	M. W. 10-10:50	148	205 W.	248 E. 105
Aikman, H. Lect. (27)				150 Hamilton ave., Bklyn.
Albee, F. H. Instr. (24)			P. & S.	125 W. 58
Aldrich, J. Clin. Asst. (30)			V. C.	164 W. 81
Alexander, J. W. Pres. Nat'l. Acad. of Design (20)				116 E. 65
Allen, F. Tr.			H. M. S.	527 W. 124
Almy, F.F. Lect. (27)	Tu. Th. F. 11-12	116	408 F.	507 W. 124
Anderson, Lydia E. Asst.			T.	109 Greene ave., Bklyn.
Anderson, Mary P. Tr.			H. M. S.	2776 Decatur ave.
Andrews, B. R. Sec. School of Household Arts (6)			T.	609 W. 135
Anthony, Kate S. Tr.			H. M. S.	2337 Broadway
Arendt, M. Instr. (23)	Tu. W. Th. S. 11-12	135	503 E.	The Ansonia, Broadway and 73
Arnold, W. W. Tr.			H. M. S.	500 W. 121
Astle, C. J. Clin. Asst. (30)			V. C.	204 W. 114
Atwood, C. E. Clin. Asst. (30)			V. C.	14 E. 60
Auchincloss, H. Instr. (24)			P. & S.	981 Madison ave.
Ayres, H. M. Instr. (24)	Tu. 4:30-5:30 Th. 3:30-4		508 F.	519 W. 121
			507 F.	
Bacon, G. Prof. (14)			P. & S.	47 W. 54
Bacon, Georgia F. Tr.			H. M. S.	70 Irving Pl.
Bagster-Collins, E. W. Adj. Prof. (14)	M. 9-9:30; Th. 4-4:30		231 T.	Montrose, N. Y.
Bailey, P. Adj. Prof. (17)			P. & S.	52 W. 53
Baker, C. M. Tr.			H. M. S.	712 West End ave.
Baker, F. T. Prof. (11)	Absent on leave first half-year		T.	Park Hill, Yonkers
Baker, G. H. Emer. Lib. (7)				294 Manhattan ave.
Baker, Helen B. Tr.			H. M. S.	140 W. 87
Balderston, Lydia R. Tutor			T.	511 W. 122

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Baldwin, Elizabeth G. Lib. Teachers College	Daily 11-12		313 T.	469 Main, E. Orange.
Ballard, Anna W. Tr.			H. M. S.	120 W. 103
Ballard, C. W. Instr.			Phar.	115 W. 68
Bandelier, A. F. Lect. (26)	Daily 10-1; 3-5		At residence	521 W. 158
Barrett, F. J. Asst. (28)			P. & S.	635 Park ave.
Barris, Elizabeth L. Instr.			T.	503 W. 121
Barrows, Anna, Instr.			T.	223 E. 17
Barry, T. J. Clin. Asst. (30)			V. C.	137 E. 49
Bartlett, F. H. Instr. (24)			P. & S.	307 W. 79
Baruch, S. Prof. (18)			P. & S.	135 W. 73
Bastedo, W. A. Assoc. (21)			P. & S.	57 W. 58
Batchelder, Evelyn, Tr.			H. M. S.	417 W. 118
Batchelder, Mildred I. Tr.			H. M. S.	415 W. 118
Bayles, G. J. Assoc. (21)	Tu. F. 4		405 L.	Orange.
Beans, H. T. Instr. (24)	Tu. Th. 11-12	191	513 Hv.	423 W. 118
Beard, C. A. Adj. Prof. (18)	M. 2-4	188	715 Hm.	526 W. 150
	Tu. 3-4		407 L.	
Bechert, A. O. Tutor (25)	M. 2; Th. 3	205	113 B.	600 Decatur, Bklyn.
Belcher, R. W. Tr.			H. M. S.	
Beling, C. C. Clin. Asst. (30)			V. C.	1098 Broad, Newark
Bement, A. Instr.			T.	939 Eighth ave.
Benedict, S. R. Assoc. (22)			P. & S.	Livingston
Bennett, Clara R. Tr.			Sp. S.	3099 Broadway.
Benns, C. P. Supt. of Buildings and Grounds in T. C. (6)			T.	195 Claremont ave.
Benton, Eliza, Tutor			T.	510 W. 124
Berg, H. W. Instr. (22)			P. & S.	923 Madison ave.
Berger, Jane, Asst. Sec. of T. C. (6)			T.	
Berkey, C. P. Instr. (23)	Tu. W. F. S. 9-10	72	303 S.	Palisade, N. J.
Bieser, A. E. Clin. Asst. (29)			V. C.	314 W. 58
Bigelow, M. A. Prof. (14)	M. W. 10-11		420 T.	Croton-on-Hudson, N. Y.
Bigongiari, D. Tutor (25)	M. W. 11-12	34	302 W.	3 Middagh, Bklyn.
Bingham, A. W. Dem. and Asst. (25)			P. & S.	266 W. 88
Bingham, W. V. D. Instr.			T.	520 W. 123
Birdsong, Nellie W. Asst.			H. M. S.	417 W. 118
Black, A. Adj. Prof. (16)	Tu. Th. F. 10-11	107	408 E.	521 W. 150
Blackwell, H. B. Instr. (24)			P. & S.	148 W. 58
Blake, J. A. Prof. (14)			P. & S.	601 Madison ave.
Blancard, W. Instr. (24)			P. & S.	123 E. 60
Bliss, Grace V. Sec. of Dept.			T.	404 W. 115
Bloom, I. Asst. in Gym.		19	Gym.	29 W. 117
Boas, F. Prof. (11)	Tu. Th. 9-10	142	405 S.	Grantwood, N. J.
Bogert, M. T. Prof. (12)	M. Tu. W. F. 2-4	114	408 Hv.	422 W. 154
Bollert, Minnie L. Tr.			H. M. S.	502 W. 122
Botsford, G. W. Adj. Prof. (16)	Absent on leave 1909-10	188		28 Urban, Mt. Vernon
Bovaird, D., Jr. Assoc. (21)			P. & S.	126 W. 58

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Boyd, Virginia T. Clerk, Barnard College	M.-F. 10-12; 2-4; S. 10-12	44	B. V. C.	527 W. 124 165 W. 74
Boyd, W. B. Clin. Asst. (31)	Th. 9-10	187	606 Hm.	43 E. 27
Boyesen, B. Tutor (26)	Daily 11-12		301 S.	515 W. 124
Boyle, A. C., Jr. Asst. (28)			T.	503 W. 121
Boynton, W. H. Tutor			V. C.	55 W. 75
Bradley, W. L. Clin. Asst. (30)			201 W.	91 Columbia Heights, Bklyn.
Brandt, Lillian, Asst. (28)				520 W. 122
Braun, W. A. Instr. (23)	M. 10; Th. 3	205	113 B.	401 W. 117
Breitwieser, J. V. Asst. (28)	Daily 10-11	23	512 S.	61 W. 48
Brewer, G. E. Prof. (14)			P. & S.	527 W. 124
Brewster, Alice D. Asst. (28)	Tu. Th. 11-12	125	209 B.	
Brewster, W. T. Prof. and Acting Dean of B. C. (13)	Daily 12:20-1	124 128	B. V. C.	628 W. 114 100 W. 78
Brill, A. Clin. Asst. (31)				Bronx Park
Britton, N. L. Dir. N. Y. Botanical Garden (17)			T. T.	Whittier 503 W. 121
Broadhurst, Jean, Instr.			H. M. S.	600 W. 114
Brooks, Anna P. Instr.			H. M. S.	600 W. 114
Brooks, F. E. Tr.			V. C.	27 W. 9
Brooks, Mrs. Marie K. Tr.			P. & S.	550 Park ave.
Brouner, W. B. Clin. Asst. (30)			417 L.	527 W. 121
Brown, A. J. Asst. (28)	Tu. Th. 9-11	2	P. & S.	120 W. 55
Brown, H. C. Tutor (25)			H. M. S.	2146 Honeywell ave. Bronx
Brown, R. M. Asst. (28)			L.	457 W. 123
Brundage, H. D. Tr.				Bridgeport, Conn.
Budington, Ethel H. Sup. Lib.		1		
Bullard, D. B. Lect. (27)				
Bumpus, H. C. Dir. Amer. Mus. Nat'l Hist. (16)				
Burdick, F. M. Prof. (10)	Tu. Th. 10- 10:30	99	303 L.	633 W. 115
Burgess, J. W. Prof. and Dean of Grad. Fac. (9)	Absent on leave 1909-10	108		323 W. 57
Burnside, C. H. Assoc. (22)	Tu. Th. F. 11-11:30	116 91	408 F. 401 E.	Hartley
Burr, W. H. Prof. (10)			P. & S.	Palisade, N. J.
Burton-Opitz, R. Adj. Prof. (15)			H. M. S.	Whittier
Busch, Ella A. Tr.	M. W. 4-5	2	420 L.	167 Joralemon, Bkln.
Bush, W. T. Assoc. (22)	Absent on leave 1909-10		H. M. S.	175 Hamilton ave., Paterson
Butler, Eliza R. Tr.	M. Tu. Th. F. 10:30-12		213 L.	119 E. 30
Butler, N. M. Pres. (9)				
Caldwell, H. H., Asst. (29)	W. 9-12; Th. 10-11		137 B. T.	Livingston 206 W. 106
Calhoun, Margaret, Instr.	Absent on leave 1909-10		H. M. S.	
Calhoun, Mary E. Tr.	Absent on leave 1909-10	196		

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Callan, J. G. Lect. (27)				93 Broad, Boston
Campbell, W. Adj. Prof. (17)	M. W. 11-12	51	502 M.	Livingston
Canfield, G. F. Prof. (11)	Tu. Th. 9-10	99	302 L.	344 W. 72
Carpenter, W. H. Prof. and Assoc. Dean Grad. Fac. (9)	Daily 10-12; 2-4	134 95	305 East V. C.	253 W. 100 353 W. 57
Carr, M. L. Clin. Asst. (30)			P. & S.	66 W. 55
Carter, H. S. Instr. (24)			V. C.	44 E. 29
Casper, J. Clin. Asst. (29)			413 S.	Garrison, N. Y.
Cattell, J. McK. Prof. (10)	Th. F. 2-3	23	P. & S.	49 W. 57
Chambers, P. F. Prof. (20)			303 Hv.	51 E. 54
Chandler, C. F. Prof. (9)		9	H. M. S.	511 W. 122
Chapin, Eleanor K. Asst.			P. & S.	7 E. 55
Chappell, W. F. Prof. (20)			401 E.	4 E. 130
Church, E. C. Lect. (26)	M. W. 11-12	107	240 B.	1245 Amsterdamave.
Clark, H. A. Lect. (27)	W. 10-11	55	204 W.	635 W. 115
Clark, J. B. Prof. (11)	M. W. 1:40	132	V. C.	24 W. 45
Clark, J. E. Clin. Asst. (30)			V. C.	84 E. 56
Clark, L. P. Clin. Asst. (30)				
Clarke, Sir C. P. Dir. Metr. Mus. of Art (17)			P. & S.	200 W. 56
Clarke, W. C. Assoc. (20)			H. M. S.	
Cleasby, Elizabeth, Tr.			V. C.	Garden City, L. I.
Cleghorn, C. D. Clin. Asst. (31)			Phar.	115 W. 68
Coblentz, V. Prof. (15)			Gym.	54 E. 116
Cohen, H. Asst. in Gym.		19	309 W.	2018 Fifth ave.
Cohn, A. Prof. (10)	M. W. 3-4	34	140 B.	
Cole, F. N. Prof. (11)	Tu. 2	36	T.	Livingston
Cole, P. R. Instr.			V. C.	153 Lexington ave.
Coll, A. P. Clin. Asst. (30)			P. & S.	50 W. 55
Collins, H. D. Instr. (23)			Gym.	Fourth ave., Nyack
Colsey, L. C. Clerk in Gym.		19	V. C.	109 East Ave., Rochester, N. Y.
Conboy, P. Clin. Asst. (30)				Verona, N. J.
Condit, Jane R. Tr.			H. M. S.	
Condry, Margaret, Tr.			H. M. S.	
Connell, K. A. Instr. (24)			P. & S.	63 W. 49
Cook, Elizabeth C. Asst. (29)	F. 9-10:30; S. 9-12		137 B.	Whittier
Cooley, Anna M. Instr.			T.	202 W. 79
Cooley, W. F. Tutor (26)	Tu. Th. 10-11		614 Hm.	192 Claremont ave.
Coolidge, C. E. Lect. (27)				Pratt and Whitney Co., 111 Broadway
Cooper, C. G. Tr.			Sp. S.	
Corbett, Florence, Lect.			T.	Whittier
Corbett, H. W. Assoc. (22)			122 E. 25	443 W. 21
Corbett, J. S. Asst. (28)	Tu. Th. F. 10-12		503 F.	915 Forest ave.
Cornell, Grace A. Instr.			T.	33 Alsop, Jamaica
Cowan, J. A. Clin. Asst. (30)			V. C.	438 W. 44
Cox, K. Prof. (18)				134 E. 67
Cox, Mary O. Ref. Lib.			L.	44 Perry
Cox, R. Instr. (23)			P. & S.	47 W. 44.
Cragin, E. B. Prof. (11)			P. & S.	10 W. 50
Crampton, H. E. Prof. (12)	Absent on leave first half-year	54	413 B.	201 W. 122

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Crawford, Caroline, Instr.			T.	415 W. 117
Crocker, F. B. Prof. (10)	Absent on leave 1909-10			14 W. 45 20 W. 50 236 W. 55
Crump, A. C. Clin. Asst. (29)			V. C.	33 W. 69
Cunningham, R. H. Instr. (22)			P. & S.	No. Chatham, Mass.
Curtis, C. C. Adj. Prof. (18)	Tu. Th. 2-4	24	506 S.	457 W. 123
Curtis, E. Emer. Prof. (7)				76 E. 55
Curtis, J. G. Emer. Prof. (7)			T.	
Curtis, Mary W. Asst.			P. & S.	
Cussler, E. Asst. (27)				
Dade, C. T. Clin. Asst. (30)			V. C.	25 W. 50
Daniell, Lucetta, Social Director of T. C. (6)			T.	Whittier
Danielson, C. S. Bursar (5)	M.-F. 9:30-3:30; S. 9:30-12	115	205 East	2135 Seventh ave.
Darling, C. A. Tutor (26)	Tu. F. 9-10	24	503 S.	529 W. 135
Darrach, W. Instr. (24)			P. & S.	61 W. 48
Daschbach, Grace M. Asst.			T.	78 W. 55
Davis, B. Adj. Prof. (19)	Tu. Th. 10-11	201	204 F.	509 W. 124
Davis, F., Jr. Assoc. (21)				58 W. 47
Day, C. Lect. (26)				Wolf Bldg., Phila.
Day, W. S. Lect. (26)	Tu. F. 3-3:30	15	407 F.	220 Hobart ave.
Dean, B. Prof. (11)	W. 10	25	606 S.	Summit, N. J.
Dederer, Pauline H. Tutor (25)	Th. 11-12	54	403 B	Riverdale-on-Hudson
Delafield, F. Emer. Prof. (7)				549 W. 113
Delano, W. A. Assoc. (22)	M.-F. 5-6			5 W. 50
Denig, R. C. Prof. (20)			P. & S.	131 E. 36
Devine, E. T. Prof. (16)	Tu. Th. 5	105	201 W.	56 E. 58
Dewey, J. Prof. (15)	M. W. 10:10-11	2	416 L.	144 Centre Ave., New Rochelle
Dibble, Mrs. Gertrude, Asst. Sec. School of Household Arts				130 & St. Nicholas ave.
Dickey, F. A. Chief Clerk, Registrar's office	M.-F. 9-5; S. 9-12	206	201 East Phar. H. M. S.	503 W. 124 115 W. 68 505 W. 122
Diekman, G. C. Prof. (15)			T.	417 W. 121
Dingman, Mary A. Tr.			P. & S.	123 E. 74
Dingwall, Edna, Sec. to Dir. Ext. Teaching			504 S.	408 W. 115
Dixon, G. S. Instr. (23)	Tu. W. F. 9-12			
Dodge, B. O. Asst. (28)	Tu. 2-3; W. F. 9-10; Th. 11-12		416 T.	Washington, Conn.
Dodge, R. E. Prof. (11)				De La Vergne Mach. Co., Ft. East 138
Doelling, L. Lect. (26)				
Dorr, G. H. Lect. (26)	S. 8:30		415 L.	521 W. 111
Dounce, J. W. Clin. Asst. (29)			V. C.	320 Central Park W.
Dow, A. W. Prof. (15)	W. 3-4		431 T.	501 W. 120
Dow, E. L. Assoc. (21)			P. & S.	49 W. 57
Dowd, C. N. Adj. Prof. (19)			P. & S.	127 W. 72
Dowd, Maria L. Tr.			H. M. S.	76 Berkeley ave., Orange



NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Draper, W. K. Adj. Prof. (17)			P. & S.	121 E. 36
Drew, Lillian C. Instr.			T.	Whittier
Duff, J. Lect.			Phar.	115 W. 68
Dunning, W. A. Prof. (10)	M. W. F. 4	188	710 Hm.	256 W. 57
Dutton, S. T. Prof. (12)	Absent on leave first half-year		H. M. S.	619 W. 114
Eastman, M. F. Asst. (28)	Daily 2-3		419 L.	90 Grove
Eddy, W. H. Asst. (28)			P. & S.	387 Lafayette ave. Bklyn.
Egbert, J. C. Prof. (11)	M. W. 11	66		
Eichhorn, H. Clin. Asst. (29)		121	109 L.	425 W. 146
Elliott, A. H. Emer. Prof. (7)			V. C.	67 E. 7
Emerson, H. Instr. (24)			Phar.	21 St. & Avenue A
Enteman, W. F. Tr.			P. & S.	120 E. 62
Epstein, S. Clin. Asst. (29) (31)			H. M. S.	501 W. 124
Erb, F. C. Sup. Lib.		158	V. C.	591 Lexington ave.
Erb, F. W. Sup. Lib.		1	L.	520 W. 123
Erdwurm, F. Asst. (28)			L.	520 W. 123
Erskine, J. Adj. Prof. (19)	Tu. 2-3	187	P. & S.	128 E. 34
Evans, E. M. Prof. (19)			610 Hm.	606 W. 113
Evans, G. S. Lib. Med. School			P. & S.	56 E. 55
			P. & S.	Somerville, N. J.
Fackenthal, F. D. Chief Clerk (6)	M.-F. 9-5; S. 9-1	137	213 L.	930 St. Mark's ave., Bklyn.
Fales, Jane, Instr.			T.	53 Irving Pl.
Falk, M. S. Lect. (26)		91		44 W. 53
Farnsworth, C. H. Adj. Prof. (12)	Tu. 4-5; F. 11-12		118 T.	70 Morningside ave., W.
Farnsworth, Mrs. C. H. Precep- tress T. C.			H. M. S.	70 Morningside ave., W.
Farrand, L. Prof. (12)	M. W. 4	23	513 S.	Boonton, N. J.
Farwell, H. W. Tutor (26)	M. Tu. F.	202	210 F.	503 W. 122
Fauver, E. Lect.			T.	601 W. 185
Feinberg, B. G. Lab. Asst. (29)			Hv.	530 W. 123
Fink, M. Clin. Asst. (31)			V. C.	274 W. 140
Fischer, C. S. Asst. (27)			P. & S.	144 E. 38
Fischer, H. Instr. (25)			P. & S.	130 E. 76
Fiske, T. S. Prof. (11)	M.-F. 11	60		
Fitch, Lura P. Tr.		117	204 Hm.	Livingston
Fletcher, J. B. Prof. (15)	M. W. 2-3	18	H. M. S.	
Flint, E. M. Lab. Asst. (29)	Daily 7-9:45 P.M.		511 F.	112 E. 22
Fontaine, C. Instr. (24)	M. W. 2:30-4	143	213 Hv.	Hartley
Foote, E. M. Instr. (22)			308 Hm.	541 W. 124
Foote, F. S. Jr. Asst. (27)	Tu. Th. 10-12		P. & S.	136 W. 48
Forbes, C. Curator (26)	Absent on leave 1909-10		407 E.	616 W. 113
Fossler, Anna K. Sup. Lib.		1	L.	419 W. 117
Foster, B. B. Tr.			H. M. S.	Livingston
Foster, N. B. Assoc. and Asst. (21)			P. & S.	69 E. 54

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Fowler, S. W. Clin. Asst. (30)			V. C.	259 W. 52
Fox, G. H. Clin. Asst. (30)			V. C.	616 Madison ave.
Francis, Charlotte A. Instr.			T.	Whittier
French, A. T. Tr.			H. M. S.	
French, D. C. Prof. (18)				125 W. 11
French, Lucile G. Asst.			T.	Whittier
Frieder, W. Clin. Asst. (29)			V. C.	80 St. Nicholas ave.
Frink, C. A. Clin. Asst.			P. & S.	457 W. 144
Frissell, L. F. Assoc. (21)			P. & S.	113 E. 56
Frothingham, R. Instr. (22)			P. & S.	616 Madison ave.
Fullerton, G. S. Prof. (15)	Absent on leave 1909-10			
Fulmer, Grace, Instr.			T.	503 W. 121
Furst, C. Secy. of T. C. (6)	M. W. F. P.M. Tu. Th. S. A.M. and by ap- pointment		106 T.	Lowerre Summit, Yonkers
Gallaudet, B. B. Adj. Prof. and Assoc. (16)			P. & S.	17 Livingston Pl.
Garretson, W. V. P. Clin. Asst. (30)			V. C.	112 W. 85
Garrison, Charlotte G. Tr.			H. M. S.	527 W. 134
Gates, W. J. Sec. Gym.		19	Gym.	Sixth ave., Nyack
Geer, Mrs. Cora M. Sec. H. M. El. Sch.			H. M. S.	534 Van Cortland Park ave., Yonkers
George, Theodora, Reg. of T.C. (6)	M.-F. 10-12; 2-4; S. 10-12		104 T.	528 W. 123
Gerig, J. L. Instr. (24)	Tu. Th. 11-12	143	305 Hm.	
Gibney, V. P. Prof. (14)			P. & S.	16 Park ave.
Giddings, F. H. Prof. (11)	M. 2:30; F. 1:30	53	408 L.	150 W. 79
Gies, W. J. Prof. (13)			P. & S.	437 W. 59
Gildersleeve, Virginia C. Lect. (26)	M. F. 10-11	128	136 B.	28 W. 48
Gillette, C. Asst. (27)			P. & S.	64 W. 46
Gillmore, Mary B. Tr.			H. M. S.	415 W. 118
Goetze, F. A. Dean of Fac. App'd Sc. & Cons. Eng'r (17)	M. W. F. 1-2	8		
Gohdes, W. H. Tr.	Absent on leave 1909-10	29	405 E.	411 W. 117
Going, C. B. Assoc. (21)			H. M. S.	
Gold, J. D. Clin. Asst. (30)				142 Nassau
Goldman, A. Clin. Asst. (31)			V. C.	
Goodfriend, N. Clin. Asst. (30)			V. C.	1789 Fulton ave.
Goodnow, F. J. Prof. (9)	M. W. 3-4	3	V. C.	243 E. 72
Goodridge, F. G. Clin. Asst. (31)			404 L.	46 Riverside Drive
Goodsell, Willystine, Instr.			V. C.	11 E. 48
Gottheil, R. J. H. Prof. (9)	Absent on leave 1909-10		T.	417 W. 120
Grabau, A. W. Prof. (13)	M.W. F. 12-12:30 Tu. Th. 5-5:30	120		63 W. 85
Gray, J. E. Asst. (28)	M. W. F. 10-12		101 S.	419 W. 118
Greenwald, I. Asst. (29)			503 F. P. & S.	246 14th Bklyn. 416 E. 58

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Gregory, Louise H. Tutor (26)		54	B.	401 W. 118
Gregory, M. S. Clin. Asst. (31)			V. C.	Bellevue Hosp'l
Gregory, W. K. Lect. (26)				2313 Loring Pl., Bronx
Grout, G. H. Clin. Asst. (30)			V. C.	181 W. 75
Grove, C. C. Instr. (24)	M. W. Th. 12:30- 1:30			
Guernsey, R. Tutor (25)	M. 3-3:30	185	212 Hm. 515 Hm.	3409 Broadway 503 W. 124
Gunn, T. McC. Instr. (24)				
Guthrie, W. D. Prof. (19)	Daily 10-5		44 Wall	28 Park ave.
Haas, S. V. Asst. (27)			P. & S.	666 West End ave.
Haberman, J. V. Clin. Asst. (30) (31)			V. C.	60 W. 85
Haefelin, Fanny J. Tr.			H. M. S.	420 W. 121
Hague, C. A. Lect. (27)				
Hale, H. E. Asst. (28)			P. & S.	752 West End ave.
Hall, E. J. Instr. (23)	Daily 9-12	192	206 Hv.	71 Van Houten ave., Passaic
Haller, W. Asst. (28)	Tu. Th. 1-3		137 B.	Livingston
Hallock, W. Prof. (10)	M. W. 11	40	406 F.	3609 Broadway
Hamilton, B. W. Clin. Asst. (30)			V. C.	125 W. 76
Hamlin, A. D. F. Prof. (9)	Absent on leave first half-year	30	607 Hv.	105 Morningside ave., E.
Hanckel, Mary B. Tutor			T.	541 W. 123
Hanes, F. M. Instr. (24)			P. & S.	Livingston
Harriman, C. A. Assoc. (21)		30	605 Hv.	417 W. 114
Harrington, T. H. Instr. (24)	Tu. Th. 10-11	197	604 E.	1437 Doris, Westchester, N. Y.
Hart, T. S. Assoc. (21)			P. & S.	130 W. 59
Hartley, F. Prof. (20)			P. & S.	61 W. 49
Haskell, Mrs. Juliana, Asst. (28)	M. W. 3-4	125	209 B.	209 W. 108
Hastings, T. Dir. of Atelier (16)				11 E. 41
Hauch, E. F. Tr.			H. M. S.	58 Morningside ave., E.
Haviland, C. F. Clin. Asst. (31)			V. C.	Manhattan State Hosp'l, Ward's Isl'd
Hawley, Harriet, Sec. to Dean, T. C. (6)			T.	Whittier
Hayden, J. R. Prof. (14)			P. & S.	121 W. 55
Hayes, C. H. Lect. (26)	M. 2-4 Tu. 11- 12	188	706 Hm.	Hartley
Hayt, E. K. Asst. Reg. and Asst. Bursar (5)	M.-F. 10-5; S. 10-1		P. & S.	104 W. 128
Hazen, T. E. Instr. (23)	F. 9	123	320 B.	Livingston
Healy, Florence M. Tr.			H. M. S.	20 Hampton Pl. Bklyn.
Hehre, F. W. Tutor (26)	Daily 10-12; 1-4		201 E.	105 Manhattan ave.
Henderson, A. C. Clin. Asst. (29)			V. C.	73 E. 92
Herrick, W. W. Asst. (28)			P. & S.	131 E. 60
Herrman, C. Clin. Asst. (30)			V. C.	250 W. 88
Herter, C. A. Prof. (14)			P. & S.	819 Madison ave.
Hervey, W. A. Adj. Prof. and Registrar (15)	M. W. F. S. 11- 12; M.-F. 3-4	39 65	201 East	607 W. 138

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Heuser, F. W. J. Tutor (25)	Tu. 11; F. 10	195	403 Hm.	239 So. Fifth ave., Mt. Vernon
Hill, Patty S. Instr.			T.	628 W. 114
Hillegas, M. B. Asst.			T.	426 W. 124
Hirst, Gertrude M. Instr. (23)	Tu. 10	125	212 B.	Brooks
Hirth, F. Prof. (13)	Tu. 11-12		305 U.	401 W. 118
Hiss, P. H., Jr. Prof. (13)			P. & S.	200 Columbia Heights, Bklyn.
Hoag, J. A. Asst. (28)			605 E.	369 Waverly ave., Bklyn.
Hodgson, J. H. P. Instr. (23)			P. & S.	29 Washington Sq.
Hoffman, A. Asst. (28)		114	402 Hv.	217 Hewes, Bklyn.
Hohmann, G. Asst.			Phar.	751 Courtland ave.
Holcomb, H. V. Clin. Asst. (29)			V. C.	147 E. 38
Holden, W. A. Instr. (23)			P. & S.	43 W. 48
Hollingsworth, H. L. Tutor (26)	M. W. 2-4; Tu. Th. 3-5	125	420 B.	500 W. 124
Hollis, A. W. Assoc. (22)			P. & S.	40 W. 71
Holm, G. T. Tr.			H. M. S.	130 Claremont ave.
Holt, L. E. Prof. (13)			P. & S.	14 W. 55.
Holter, P. C. H. Sec. Com. on Employment for Students	Daily 9-1	194	311 East	615 Greenwood ave., Bklyn.
Hooker, R. S. Asst. (28)			P. & S.	26 E. 48
Hostmann, Jeannot, Asst.			Phar.	1122 Hudson, Hoboken
Hotchkiss, Caroline W. Tr.			H. M. S.	502 W. 113
Hotchkiss, L. W. Adj. Prof. (19)			P. & S.	59 W. 48
Howe, H. M. Prof. (11)			512 M.	Bedford Station
Howland, J. Instr. (23)			P. & S.	49 E. 53
Hubbard, Grace A. Adj. Prof. (18)	Tu. 12-12:30	125	334 B.	618 W. 114
Hubbard, S. D. Clin. Asst. (30)			V. C.	143 W. 103
Huber, F. Prof. (20)			P. & S.	209 E. 17
Huguenin, C. Tr.			H. M. S.	180 Claremont ave.
Humphreys, F. B. Asst. (28)			P. & S.	78 W. 85
Humphries, H. R. Clin. Asst. (30)			V. C.	262 W. 83
Hunt, E. L. Instr. (23)			P. & S.	54 W. 50
Huntington, G. S. Prof. (10)			P. & S.	Scarsdale, N. Y.
Hurd, Florence L. Sec. of Dept.			T.	423 W. 118
Hutchinson, Mary E. Prin. Tr. Sch. Sloane Maternity Hospital			S. M. H.	457 W. 59
Huth, C. F. L. Lect. (27)	W. 3-4		714 Hm.	557 W. 124
Huttmann, Maude A. Tutor (25)	M. W. F. 2:10-3 Tu. Th. 3:10-3:30	209	337 B.	Brooks
Hutton, A. L. Clin. Asst. (31)			V. C.	257 W. 86
Hutton, F. R. Emer. Prof. (7)				257 W. 86
Hyde, J. E. Asst. (28)	W. 11-12; F. 11-12; 1-2		104 S.	
Inglis, A. J. Tr.			H. M. S.	Livingston
Irving, P. Asst. (27)			P. & S.	200 W. 57
Jackson, A. V. W. Prof. (10)	M. W. 3-4	122	306 U.	668 Riverside Drive

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Jackson, A. W. Asst. (29)			607 F.	Livingston
Jackson, F. W. Prof. (16)			P. & S.	555 Madison ave.
Jackson, G. T. Prof. (18)			P. & S.	11 E. 48
Jacobi, A. Emer. Prof. (7)				19 E. 47
Jacobus, A. M. Clin. Asst. (29)			V. C.	131 W. 70
Jacoby, H. Prof. (11)	M. W. 10-11	20		
Jaeger, C. H. Instr. (23)		181	610 F.	333 W. 76
James, Clara C. Tr.			P. & S.	471 Park ave.
James, W. B. Prof. (13)			Sp. S.	515 W. 111
Janeway, H. H. Instr. (24)			P. & S.	17 W. 54
Janeway, T. C. Prof. (19)			P. & S.	531 Madison ave.
Jastrow, J. Non-resident Lect. (27)			P. & S.	131 E. 60
Jeppson, C. N. Lect. (27)				Care of Norton Co., Worcester, Mass.
Jespersen, O. Prof. (19)				419 W. 118
Jessup, D. S. D. Instr. and Asst. (24)	Daily 5-6 and by appointm't			542 W. 112
Joffe, J. A. Lect. (27)				
Johnson, A. B. Prof. (20)			P. & S.	12 E. 58
Johnson, Elizabeth, Tr.			Sp. S.	94 Lawrence
Johnson, H. Prof. (17)	Tu. Th. 10-11		320 T.	620 W. 116
Johnston, W. D. Librarian (19)	M. F. 9:30-12	5	201	Livingston
Jones, A. L. Ch'm'n. Com. on Undergrad. Admissions and Adj. Prof. (19)	Daily 9-5		310 East	220 W. 107
Jordan, D. Adj. Prof. (17)	M. W. 11; Tu. 3	143	311 Hm.	419 W. 115
Jouard, F. L. Asst. (28)			102 Hv.	325 E. 68
Jotet, C. H. Tutor (25)	Tu. W. Th. S.	28	505 Hv.	Roselle, N. J.
Judd, E. K. Instr. (24)	Tu. Th. S. 9-12	140	408 M.	Hasbrouck Heights, N. J.
Kaliski, D. Clin. Asst. (31)			V. C.	103 E. 103
Kasner, E. Adj. Prof. (16)	M. W. F. 11	207	309 B.	22 W. 119
Kaufmann, J. Prof. (20)			P. & S.	52 E. 58
Keator, H. M. Dem. (25)			P. & S.	107 E. 70
Keller, Eleanor, Tutor (25)		126	435 B.	417 W. 114
Keller, M. D. Clin. Asst. (29)			V. C.	65 E. 114
Kemp, J. F. Prof. (10)	Tu. Th. 11- 11:50	22	403 S.	211 W. 139
Kendall, B. W. Asst. (28)	M. F. 11-12		240 B.	507 W. 124
Kenyon, J. H. Instr. (23)			P. & S.	37 W. 71
Keppel, F. P. Secy. (5)	M. Th. 10-12; 2-4; S. 10-12	6	213 L.	142 E. 18
Kerley, C. G. Lect.			T.	132 W. 81
Kern, E. F. Instr. (24)	M. W. F. 11-12	51	404 M.	Livingston
Kersey, P. J. Tr.			H. M. S.	227 W. 116
Keyes, Maud V. Tr.			H. M. S.	998 Amsterdam ave.
Keyser, C. J. Prof. (14)	Tu. 1:30	63	506 Hm.	74 W. 103
Kiliani, O. G. T. Prof. (20)			P. & S.	44 W. 77
Kilpatrick, W. H. Lect.			T.	506 W. 122
Kingsley, Margaret A. Asst. (28)		125	313 B.	515 W. 111
Kinne, Helen, Prof. (12)	M. W. 11		T.	8 Morningside ave., E
Kinnicutt, F. P. Prof. (20)			P. & S.	39 E. 35



NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Kirchwey, Clara B. Instr.			T.	908 St. Nicholas ave.
Kirchwey, G. W. Prof. (10)	M.-F. 12-1	47	305 L.	908 St. Nicholas ave.
Kirchwey, Mary F. Tr.			H. M. S.	908 St. Nicholas ave.
Knapp, A. H. Prof. (14)			P. & S.	26 W. 40
Knapp, C. Prof. (13)	M. 3-5; W. F. 2-5	58	331 B. Phar.	1737 Sedgwick ave. 60 W. 76
Knapp, C. B. Prof. (18)			P. & S.	26 W. 40
Knapp, H. Emer. Prof. (7)				
Knox, Rev. R. C. Chaplain (7)	M. W. F. 2-4; Tu. Th. 3-4	102	E. H. V. C.	528 W. 114 171 W. 81
Kobler, E. W. Clin. Asst. (29)			V. C.	31 W. 115
Kohn, B. Clin. Asst. (30)				
Krathwohl, W. C. Tutor (25)	M. W. 11; Tu. Th. 10	125	309 B.	520 W. 123
Kress, O. Tutor (25)	Daily 9-5	9	303 Hv.	438 W. 116
Kurtz, E. L. Adj. Prof. (18)	M. W. F. 10-11	140	403 M.	Livingston
La Farge, J. Prof. (18)				51 W. 10
LaFetra, L. E. Assoc. (21)			P. & S.	110 E. 62
Lambert, A. V. S. Instr. (23)			P. & S.	29 W. 36
Lambert, S. W. Prof. and Dean Med. School (14)	M. Tu. Th. F. 10:30		P. & S.	130 E. 35
Lamme, M. A. Tutor (25)	M. W. Th. F. 10-11	183	106 S.	635 W. 135
Langford, Grace, Tutor (26)		125	232 B.	130 Claremont ave.
Larkin, J. H. Adj. Prof. (16)			P. & S.	601 W. 135
Latham, Azubah J. Lect.			T.	417 W. 120
Latham, Helen, Instr.			H. M. S.	417 W. 120
Latham, Marion E. Tutor (25)	M. 11	123	313 B.	417 W. 148
Lawrence, W. Adj. Prof. (18)	M. W. 11-12	16	507 F.	712 West End ave.
Lawton, W. E. Business Mgr. Whittier Hall			Whittier	1230 Amsterdam ave.
Lee, F. S. Prof. (11)			P. & S.	125 E. 65
Lefferts, G. M. Emer. Prof. (7)				212 Madison av.
Leggett, N. B. Clin. Asst. (29)			V. C.	246 W. 76
Leshure, J. Clin. Asst. (30)			V. C.	423 Convent ave.
Leslie, F. A. Instr.			Phar.	115 W. 68
Levin, I. Assoc. (22)			P. & S.	129 W. 122
Lewis, Mary H. Tr.			H. M. S.	
Lewis, R., Jr. Prof. (20)			P. & S.	48 W. 40
Lichtenstein, G. Clin. Asst. (29)			V. C.	206 E. 104
Lieb, C. C. Instr. (24)			P. & S.	50 Central Pk., W.
Liggett, Mrs. N. W., Bursar of B. C. (6)	M.-F. 10-4; S. 10-12:30	42	B.	404 Riverside Drive
Lindsay, S. M. Prof. (18)	Tu. Th. 3-5	148	205 W.	Chestnut St., Englewood, N. J.
Livingston, A. A. Tutor (26)	Tu. Th. 10-12		305 W.	111 Manhattan
Lobenstine, R. W. Instr. (24)			P. & S.	67 E. 55
Lockwood, G. R. Adj. Prof. (17)			P. & S.	18 E. 52
Lodge, G. Prof. (12)	M. W. 3-4		228 T.	500 W. 121
Loewenstein, L. C. Lect. (27)				General Electric Co., Lynn, Mass.
Loiseaux, L. A. Adj. Prof. (15)	M. W. 3-4	143	310 Hm.	507 W. 124
Lord, H. G. Prof. (12)	M. W. F. 10-11	97	615 Hm.	623 W. 113

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Lothrop, A. P. Instr. (24)			P. & S.	Hartley
Lovell, E. B. Prof. (11)	Th. 9-10; 1-2	107	409 E.	235 W. 102
Lucke, C. E. Prof. (16)	Tu. Th. S. 10-11	17	304 E.	544 W. 142
Ludlow, T. W. Lect. (27)	Tu. Th. 10-11	41	610 Hv.	1086 Amsterdam ave.
Luquer, L. McL. Adj. Prof. (15)	W. 10-11; F. 1-2	21	306 S.	321 W. 80
McBurney, C. Emer. Prof. (7)			P. & S.	38 E. 31
McCarthy, J. C. Clin. Asst. (30)			V. C.	414 W. 58
McCastline, W. Instr.			T.	549 Riverside Drive
McChesney, J. Asst. (28)	Daily 9-10	97	615 Hm.	Livingston
McCrea, N. G. Prof. (12)	M. W. 11	145	510 Hm.	430 W. 119
McEntee, E. J. Clin. Asst. (30)			V. C.	93 Lee ave., Bklyn.
McGregor, J. H. Adj. Prof. (18)	W. F. 10-11	25	610 S.	Livingston
McKone, C. H. Asst. (28)			Hv.	
McLane, J. W. Emer. Prof. (7)				51 W. 38
McMurry, F. M. Prof. (12)	M. W. F. S. 11		202 T.	9 Hillside Drive, Yonkers
McMurtry, C. W. Clin. Asst. (30)			V. C.	812 Fifth ave.
McVey, Florence M. Tr.			H. M. S.	
McWhood, L. B., Adj. Prof. (15)	Absent on leave 1909-10			511 W. 112
McWilliams, C. A. Instr. (23)			P. & S.	112 W. 55
MacAlarney, Emma L. Tr.			H. M. S.	500 W. 121
MacCallum, W. G. Prof. (19)			P. & S.	981 Madison ave.
MacGregor, J. S. Asst. (27)	Daily 9-12	33	308 E.	3750 Broadway
Maclay, J. Prof. (12)	M. W. 1:15-2	61	209 Hm.	312 Summer ave. Newark
Macumber, J. L. Clin. Asst. (30)			V. C.	249 Washington ave., Bklyn.
MacVannel, J. A. Prof. (15)	Absent on leave 1909-10			
Macy, Cornelia P. Recorder (6)		6	213 L.	
Mailloux, C. O. Assoc. (22)	M. W. 11-12		503 E.	8 W. 71
Main, T. F. Secy. Coll. Phar. (6)	M.-F. 9-5; S. 9-12		Phar.	164 Chambers
Maltby, Margaret E. Adj. Prof. (14)	Absent on leave 1909-10			
Manchester, Mrs. Melinda I. Asst.			T.	Whittier
Mansfield, W. Prof. (18)			Phar.	115 W. 68
March, Maud, Instr.			T.	81 Morningside ave., E.
Marple, C. F. Instr.			T.	350 W. 120
Marshall, Florence M. Tr.			H. M. S.	430 W. 118
Martin, D. C. Clin. Asst. (29)			V. C.	151 W. 106
Martin, W. Instr. (22)			P. & S.	25 W. 50
Mason, D. G. Assoc. (22)			608 M.	207 W. 55
Mason, F. L. Asst. (28)	Daily 9-12; 1-4		501 E.	342 E. 152
Mason, H. H. Asst. (27)			P. & S.	107 W. 55
Mathews, F. S. Assoc. (21)			P. & S.	62 W. 50
Matthews, B. Prof. (10)	Tu. Th. 4; S. 9:30	16	502 F.	681 West End ave.
Maury, Carlotta J. Lect. (27)			214 B.	Hastings-on-Hudson

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Maury, J. W. D. Assoc. (21)			P. & S.	264 W. 57
Maxson, A. R. Tutor (25)	M.-F. 2-3	61	211 Hm.	
Mayer, R. E. Adj. Prof. (13)	Tu. Th. 9-11	144	602 E.	151 Prospect ave., Mt. Vernon
Meeker, H. D. Clin. Asst. (30)			V. C.	166 W. 72
Metzger, F. J. Instr. (23)	M. W. 10-11; F. 9-10	28	507 Hv.	527 W. 124
Meyer, Anna E. H. Sec. B. C. (6)	M.-F. 10-12; 2-4; S. 10-12	129	B.	15 Cedar Pl., Yonkers
Meylan, G. L. Adj. Prof. and Med. Dir. of Gym. (14)	M. Th. 3-4:30 Tu. 4-5 W. F. 2-4:30 S. 10-11			
Michaelis, A. Clin. Asst. (30)		19	Gym. V. C.	468 W. 141 173 E. 95
Miller, A. M. Instr. (23)			P. & S.	142 S. 10, Newark
Miller, D. S. Prof. (18)	M. W. F. 10-11	52	614 Hm.	Faculty Club, Centre Bridge, Pa.
Miller, F. J. Lect. (26)			P. & S.	18 W. 51
Miller, J. A. Instr. (23)			H. M. S.	430 W. 118
Miller, Rosa E. Tr.				West Nyack
Miller, S. O. Instr. (23)	M.-F. 2-3	13	603 E.	
Mitchell, H. B. Prof. (16)	M. Tu. Th. F. 1-3	150		
Mitchell, S. A. Adj. Prof. (18)	M. W. F. 10-11	157	409 East	80 Washington Sq.
Mitchell, W. A. Asst. (28)	S. 12	57	606 F.	557 W. 124
Monroe, P. Prof. (12)	Tu. 2-3		303 F.	328 W. 113
			326 T.	44 Prospect Drive, Yonkers
Montague, W. P. Adj. Prof. (17)	M. 3-4 M. 9-10;	208	416 L. 335 B.	424 W. 119
Moore, H. L. Prof. (13)	Absent on leave 1909-10			501 W. 120
Moore, J. B. Prof. (10)	Absent on leave 1909-10			267 W. 73
Moore, W. C. Tutor (26)	Daily 9-10		512 Hv.	Livingston
Morecroft, J. H. Instr. (25)	M. F. 9-10		508 E.	514 W. 122
Moretsky, H. M. Clin. Asst. (31)			V. C.	145 W. 143
Morgan, J. L. R. Prof. (12)	Daily 9-10	70	411 Hv.	
Morgan, T. H. Prof. (15)	Daily 12-1	25	612 S.	409 W. 117
Morrison, C. E. Instr. (24)	M. W. F. 9-12	91	401 E.	100 Morningside ave., W.
Morse, L. B. Instr. (24)	M. Tu. W. Th. 2	202	305 F.	505 W. 122
Mosenthal, H. O. Instr. and Asst. (24)			P. & S.	16 W. 85
Moses, A. J. Prof. (9)	Daily 10-11	21	307 S.	646 W. 158
Mount, W. B. Clin. Asst. (29)			V. C.	
Muller, H. F. Instr. (24)	Tu. Th. 3-4		111 B.	
Munroe, H. S. Prof. (9)	Tu. Th. 10- 10:40	92	407 M. H. M. S.	501 W. 120
Murray, Julia, Asst.				Whittier
Mussey, H. R. Adj. Prof. (19)	M. 10-11; 3-4 M. 11-12		308 B. 409 L.	101 Central ave., Tompkinsville, S. I.
Myers, J. Secy. Earl Hall (7)	Daily 9:30-12; 4-5	100	E. H.	309 W. 70

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Neilson, Sarah M. Asst.			T.	528 W. 123
Neish, A. C. Tutor (25)	M. Tu. Th. F. 10-12	113	418 Hv. H. M. S.	542 W. 124 527 W. 124
Neitz, J. D. Tr.			401 F.	
Nelms, W. S. Asst. (28)	M. 5 Th. 12		303 F.	Livingston
Nelson, F. A. Lect. (26)	Tu. F. 2-5		612 Hv.	611 W. 112
Nelson, J. M. Tutor (26)	Daily 9-5		401 Hv.	527 W. 124
Nisselson, Max, Clin. Asst. (31)			V. C.	21 E. 112
Norrie, V. H. Adj. Prof. (17)			P. & S.	21 W. 37
Norris, H. L. Supt. Bldgs. and Grounds (5)	M.-F. 10-11	59	110 L.	Livingston
Norsworthy, L. D. Asst. (28)	Tu. Th. 1-2		406 E.	557 W. 124
Norsworthy, Naomi, Adj. Prof. (19)	M. W. F. 10; Tu. Th. 11		337 T. H. M. S.	557 W. 124 239 W. 122 Worcester, Mass.
Northup, R. M. Tr.			H. M. S.	541 W. 123
Norton, C. H. Lect. (27)			T.	618 W. 114
Nourse, Lilla A. Tr.			T.	420 W. 118
Noyes, W. H. Instr.				
Nutting, Mary A. Prof. (17)			P. & S.	126 W. 59
Oastler, F. R. Assoc. (21)			610 Hm.	44 W. 44
Odell, G. C. D. Prof. (13)	M. W. 2	187	Phar.	115 W. 68
Oehler, J. Adj. Prof. (16)			340 B.	250 W. 88
Ogden, C. J. Asst. (28)			214 B.	Hotel Ansonia
Ogilvie, Ida H. Tutor (25)	W. 4	125	109 L.	438 W. 116
Olcott, G. N. Adj. Prof. (15)	Tu. Th. 11	121	H. M. S.	Whittier
Oldham, Maud, Tr.				42 Broadway
O'Neil, F. W. Lect. (26)				De La Vergne Co., Ft. East 138
Ophuls, F. Lect. (27)				850 Madison ave.
Osborn, H. F. Prof. (10)		25	608 S.	510 W. 124
Osburn, R. C. Instr. (23)	M. W. 11-12	54	409 B.	58 Central Park, W.
Osgood, C. Clin. Asst. (30)			V. C.	526 W. 150
Osgood, H. L. Prof. (10)	Absent on leave 1909-10			539 W. 148
Owen, M. S. Clin. Asst. (30)			V. C.	
Painter, M. H. Prof. (15)			P. & S.	62 W. 55
Pappenheimer, A. M. Assoc. (21)			P. & S.	48 E. 64
Park, E. A. Instr. (25)			P. & S.	981 Madison ave.
Parker, H. C. Adj. Prof. (14)	M. Tu. W. F. 2-4	189	410 F.	21 Fort Greene Pl., Bklyn.
Parks, J. W. Lect. (27)				2 Rector
Parr, H. L. Instr. (23)	Daily 4-5	130	207 E.	
Patterson, H. S. Assoc. (21)			P. & S.	149 E. 62
Peabody, Mary G. Tr.			H. M. S.	416 W. 118
Peacock, Mary H. Lect.			T.	Whittier
Pearson, H. C. Prin. H. M. Elem. School (14)	M. Tu. Th. 2-3; W. 8:45-10		H. M. S.	501 W. 120
Peck, C. H. Adj. Prof. (19)			P. & S.	30 W. 50
Peck, H. T. Prof. (9)	Absent on leave first half-year	131		501 W. 120

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Peele, R. Prof. (10)	M. W. F. 11-12	140	405 M.	351 W. 114
Pegram, G. B. Adj. Prof. (19)	Tu. Th. 1-4	186	305 F. 614 F.	401 W. 118
Pellew, C. E. Adj. Prof. (11)		113	416 Hv.	48 E. 26
Pender, L. E. Asst. (28)	Tu. Th. 1:30-2		607 F.	Livingston
Perry, E. D. Prof. (10)	M. W. F. 3-4	156	410 East	542 W. 114
Peterson, F. Prof. (17)			P. & S.	20 W. 50
Pfister, J. C. Adj. Prof. (16)	Absent on leave 1909-10			240 6th ave., New- ark
Pitkin, W. B. Lect. (27)	Tu. 11-12		417 L.	836 West End ave.
Points, Juliet S. Asst. (28)	M. W. 1		337 B.	Brooks
Pomeroy, C. H. Bursar T. C. (6)	Daily 9-4:30		102 T.	Livingston
Pool, E. H. Instr. (23)			P. & S.	128 E. 64
Poor, C. L. Prof. (15)	Th. F. 10-12	57	608 F.	4 E. 48
Poore, C. T. Assoc. (20)			P. & S.	43 W. 53
Porterfield, A. W. Tutor (25)	M. F. 11-12	205	336 B.	Livingston
Potter, N. B. Assoc. (21)			P. & S.	48 W. 51
Pou, R. E. Clin. Asst. (31)			V. C.	20 W. 50
Pratt, Isabelle L. Recorder T. C. (6)	Daily 10-12; 3-4		106 T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.			H. M. S.	221 W. 104
Prescott, Harriet B. Sup. Lib. and Asst. Lib'n.		1	L.	34 Gramercy Park
Prettyman, A. I. Tutor (26)	M.-F. 9-12; 2-5; S. 9-12	19	Gym.	610 W. 136
Prettyman, V. Prin. H. M. High School (12)	M. Tu. Th. 2-3		H. M. S.	501 W. 120
Prince, J. D. Prof. (13)	M. 10-11	119	308 U.	Sterlington, N. Y.
Proben, C. J. Instr. (23)			P. & S.	970 Lexington ave.
Prudden, T. M. Emer. Prof. (7)				160 W. 59
Pumyea, P. C. Clin. Asst. (30)			V. C.	139 W. 97
Pupin, M. I. Prof. (10)	M. Tu. W. 11-12	38	206 E.	1 W. 72
Putnam, C. R. L. Asst. (28)			P. & S.	121 E. 38
Raabe, A. Clin. Asst. (29)			V. C.	359 E. 156
Rainforth, S. I. Clin. Asst. (30)			V. C.	Broadway and 61
Ransom, C. C. Assoc. (22)			P. & S.	66 W. 49
Rautenstrauch, W. Prof. (16)	Tu. Th. S. 10	146	507 E.	42 Morris, Yonkers
Rea, Matilda G. Asst.			T.	501 W. 121
Reddick, H. W. Tutor (26)	Tu. Th. 1-2	26	212 Hm.	Livingston
Redfield, H. S. Prof. (13)	M. W. F. 3-5	11	414 L.	1925 Seventh ave.
Reed, A. F. Tr.			H. M. S.	58 Morningside ave., E.
Reimer, Marie, Adj. Prof. (19)	Th. 1-2	126	438 B.	420 W. 118
Remy, A. F. J. Adj. Prof. (17)	M. W. 1-2	65	409 Hm.	222 W. 141
Reynolds, W. S. Instr. (23)			P. & S.	66 W. 71
Rice, D. E. Asst. (28)	Tu. 1-2		412 S.	509 W. 124
Richard, E. D. Lect. (26)	M. 12-2	65	410 Hm.	12 W. 103
Richards, H. M. Prof. (13)	M. 11	123	316 B.	618 W. 114
Riesenfeld, E. A. Clin. Asst. (30)			V. C.	152 W. 88
Robbins, Ida E. Tr.			H. M. S.	430 W. 119



NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Robbins, Mrs. Lulie W. Social Worker, Sp. S.			Sp. S.	94 Lawrence
Robinson, E. Asst. Dir. Metr.	Mus. of Art. (17)			
Robinson, J. H. Prof. (11)	Tu. 11:30 Th. 9:30 Tu. Th. 2:45	188	711 Hm.	
			338 B.	567 W. 113
Rockwell, Bertha L. Lib. Barnard College		125	B.	508 E. 142
Roff, A. W. Clin. Asst. (30)			V. C.	68 W. 92
Rogers, G. S. Asst. (28)	W. F. 2-3	183	106 S.	430 W. 119
Rogers, Lillian E. Tr.			H. M. S.	
Rosenbloom, J. Asst. (29)			P. & S.	97 Central Pk., W.
Rübner, C. Prof. (15)	Th. 10-11	101	607 M.	400 W. 118
Runge, C. Prof. (20)	Th. 4-5		505 F.	419 W. 118
Runyon, E. W. Asst. Secy. Coll. Phar. (6)			11 W. 42	319 State, Bklyn.
Rusby, H. H. Prof. and Dean Coll. Phar. (15)			Phar.	115 W. 68
Russell, J. E. Prof. and Dean of T. C. (12)	M.-F. 11-12		103 T.	500 W. 121
Russell, J. I. Instr. (24)			P. & S.	601 Madison ave.
Russell, Martha M. Supt. Sloane Maternity Hospital			S. M. H.	457 W. 59
Ryder, G. H. Instr. (23)			P. & S.	43 W. 50
St. John, A. Asst. (29)	M. W. F. 1-4	200	201 F.	120 Hicks, Bklyn.
Sachs, J. Prof. (13)	M. W. 3-4; S. 10-11		229 T.	Hotel Marie Antoinette 2465 Broadway
Sage, Elizabeth, Instr.			T.	2465 Broadway
Sait, E. M. Lect. (27)	M. W. 11-12	188	715 Hm.	424 W. 119
Sammis, J. F. Clin. Asst. (31)			V. C.	257 W. 88
Sandiford, P. Tutor			T.	Livingston
Sanford, Laura, Sec. of Dept.			T.	415 W. 118
Saunders, T. L. Instr. (23)			P. & S.	43 W. 50
Saville, M. H. Prof. (14)	M. W. 9-10	142	507 S.	292 W. 92
Sawyer, C. P. Press Representative				
Scales, Edna R. Asst. (29)	Daily 10-12	136	323 U. 140 B.	20 Vesey 62 Garrison ave., Jersey City
Schenck, Aletta V. W. Instr.			T.	611 W. 112
Schmitt, A. E. Instr. (22)			P. & S.	123 E. 60
Schnepel, G. A. Clin. Asst. (30)			V. C.	343 W. 29
Schulman, M. Asst. (28)			P. & S.	229 W. 111
Schulte, H. v. W. Adj. Prof. (18)			P. & S.	176 W. 87
Schulze, H. H. L. Tutor (26)	M. 2-4; Tu. Th. 11-12		403 Hm.	130 Wadsworth ave.
Schüssler, Amy, Prin. Sp. S.			Sp. S.	558 W. 182
Schwable, Bertha, Tr.			H. M. S.	507 W. 124
Schwartz, L. H. Clin. Asst. (29)			V. C.	410 E. 84
Schwerdtfeger, O. M. Instr. (25)			P. & S.	134 E. 60
Scott, G. W. Prof. (19)	M. Tu. 10-11; 4-5	56	412 L.	205 Garfield Pl., So. Orange
Scripture, E. W. Dir. of Psychiatric Lab. (27)			P. & S.	87 Madison ave.

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Seager, H. R. Prof. (13)	Tu. Th. 2-3	133	403 L.	Boston Post Road, Greenwich, Conn.
Seaman, Emily C. Tutor.			T.	511 W. 112
Seely, Bertha W. Sec. to Prin. H. M. High Sch.			H. M. S.	430 W. 119
Siebert, Jeannette R. Recorder, T. C.			T.	508 W. 113
Seligman, E. R. A. Prof. (9)	Tu. Th. 2-3; F. 2-3:30	132	409 L.	324 W. 86
Sever, G. F. Prof. (12)	M. W. 10-12	93	504 E.	620 W. 116
Severinghaus, W. L. Asst. (27)	Tu. Th. 1-4	202	201 F.	505 W. 122
Shear, T. L. Instr. (24)	Tu. 3-4	204	340 B.	524 Riverside Drive
Shearer, L. H. Dem. and Asst. (25)			P. & S.	449 Park Ave.
Shepherd, W. R. Prof. (16)	M. W. 3:15-4		403 L.	468 Riverside Drive
Sherman, F. D. Prof. (10)	M. Tu. Th. F. 2-4	30	607 Hv.	158 W. 105
Sherman, H. C. Prof. (16)	M. W. Th. 10-10:30	28	509 Hv. 508 M.	Hastings-on-Hudson 3694 Broadway
Sherry, R. H. Asst. (29)			H. M. S.	500 W. 121
Sherwood, Winifred, Tr.			702 Hm.	
Shotwell, J. T. Prof. (16)	W. 10-11; M. 3-4	188 209	338 B. P. & S.	135 W. 73 Hartley
Shrady, A. M. Instr. (22)			V. C.	15 E. 48
Shull, A. F. Asst. (29)			210 Hm.	Livingston
Sicard, M. H. Clin. Asst. (30)	M. W. F. 1-2	61	B.	527 W. 121
Siceloff, L. P. Tutor (25)			P. & S.	103 W. 72
Sillcox, Cecilia M. Asst. (29)				
Silver, L. M. Asst. (28)				
Simkhovitch, Mrs. Mary K. Adj. Prof. (18)	Tu. 4	125	308 B.	26 Jones
Simkhovitch, V. G. Adj. Prof. (16)	M.-F. 10-12	96	307 L.	26 Jones
Simpson, W. B. Clerk Coll. Phar. (6)	Daily 9-5		Phar.	79 No. Munn ave., E. Orange
Simpson, W. K. Prof. (14)			P. & S.	952 Lexington ave. 1
Skarstrom, W. Instr. (23)	M. W. F. 9-12	19	Gym.	510 W. 124
Skinner, Edna L. Tutor			T.	Whittier
Sleffel, C. C. Instr. (22)	M. W. F. 2		125 T.	195 Claremont ave.
Sloane, W. M. Prof. (11)	W. 2	188	704 Hm.	105 E. 69
Smith, Bessie, Asst.			Sp. S.	Whittier
Smith, C. H. Asst. (27)			P. & S.	2880 Broadway
Smith, D. E. Prof. (13)	Tu. Th. 10		212 T.	250 W. 88
Smith, E. R. Ref. Libr. (17)	Daily 2-5	1	Avery Lib.	118 W. 109
Smith, F. C. Clin. Asst. (30)			V. C.	362 W. 57
Smith, H. Instr. (23)			P. & S.	44 W. 49
Smith, Munroe, Prof. (9)	W. F. 2-3	132	409 L.	323 W. 57
Snedden, D. S. Adj. Prof. (17)	Daily 11:30-12		217 T.	63 Morningside ave., E.
Solley, F. P. Instr. (23)			P. & S.	114 E. 60
Southard, Lydia, Lect.			T.	Whittier
Spencer, H. J. Asst. (28)			618 S.	Hartley
Speranza, C. L. Prof. (11)	Tu. Th. 2:30		301 W.	120 E. 86
Spingarn, J. E. Prof. (15)	M. W. F. 1:30-2	109	509 F.	9 W. 73
Stackpole, Caroline, Tutor			T.	2787 Broadway

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Stadtmüller, N. Assoc. (22)			P. & S.	42 E. 64
Starr, M. A. Prof. (9)			P. & S.	5 W. 54
Steel, M. Instr. (24)			P. & S.	Livingston
Steele, Roxana A. Tr.			Sp. S.	94 Lawrence
Steeves, H. R. Tutor (26)	F. 10	187	606 Hm.	596 Riverside Drive
Steinhardt, I. D. Clin. Asst. (29) (30)			V. C.	160 W. 106
Steitz, K. Tr.			H. M. S.	416 W. 118
Stephens, Isabel, Tr.			Sp. S.	
Stetten, D. Instr. (25)			P. & S.	1187 Madison ave.
Stevens, Romiett, Instr.			T.	130 Claremont ave.
Stewart, H. A. Adj. Prof. (19)			P. & S.	Livingston
Stewart, Isabel, Asst.			T.	416 W. 118
Stillman, A. Assoc. (22)			P. & S.	35 E. 39
Stillman, R. G. Dem. (25)			P. & S.	120 W. 55
Stimpson, H. F. Lect. (27)				Care Emerson Co., 50 Church General Electric Co., Schenectady, N. Y.
Stone, C. W. Lect. (27)				503 W. 121
Stone, Theo. R. Tr.			H. M. S.	
Strayer, G. D. Adj. Prof. (18)	M. F. 11-12; W. 3-4		203 T.	533 W. 124
Strong, C. A. Prof. (14)	Absent on leave 1909-10			
Strong, O. S. Instr. (23)			P. & S.	Livingston
Sturtevant, E. H. Tutor (25)	M. 11:10-11:30	204	340 B.	Edgewater, N. J.
Sumner, A. E. Instr. (22)			P. & S.	127 W. 58
Sûs, P. C. Clerk Nat. Acad. of Design				Amsterdam ave & 109
Sutherland, Louise C. Tutor			T.	265 W. 72
Suzzallo, H. Prof. (18)	Absent on leave first half-year		T.	515 W. 124
Swartz, Mary D. Instr.			T.	Whittier
Swift, G. M. Assoc. (21)			P. & S.	20 W. 55
Sykes, F. H. Dir. of Ext. Teaching & Prof. (14)	Absent on leave second-half year		T.	Lowerre Summit Park, Yonkers 32 Nassau
Symonds, B. Lect. (27)				
Tannahill, Sallie B. Asst.			T.	939 Eighth ave.
Tassin, A. De V. Lect. (26)	M. W. 1:30-2	128	137 B.	109 Lexington ave.
Taylor, A. S. Instr. (22)			P. & S.	152 W. 57
Taylor, H. C. Instr. (23)			P. & S.	24 W. 50
Taylor, J. W. Tutor (26)	F. 10-11	187	611 Hm.	
Tenney, A. A. Tutor (25)	M. W. 2:30	111	206 W.	421 W. 118
Terriberry, W. K. Dem. (25)			P. & S.	57 W. 75
Terry, C. T. Prof. (13)	M. Tu. Th. F. 4:15-4:30; 5:30-6	11	414 L. P. & S.	62 E. 58 20 W. 50
Thacher, J. S. Prof. (20)			T.	
Thatcher, E. Instr.				
Thomas, C. Prof. (11)	W. F. 11-12	198	315 U.	468 Riverside Drive
Thomas, C. W. Tutor (26)	F. P. M. S. 10-1	146	510 E.	Valley Place, Edgewater, N. J.
Thompson, Alice, Tr.			Sp. S.	

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Thomssen, E. G. Lab. Asst. (29)				451 15th, Bklyn.
Thorndike, A. H. Prof. (16)	M. W. 3-4	16	513 F.	Lowerre Summit, Yonkers
Thorndike, E. L. Prof. (12)	M. W. 9-10; 2-3		329 T.	Montrose, N. Y.
Thorpe, E. O. Tr.			H. M. S.	207 Dyckman
Thurber, S. W. Instr. (23)			P. & S.	104 E. 39
Thurston, E. D. Jr. Tutor (26)	Daily 1-4	130	207 E.	517 W. 113
Tilney, F. Assoc. (21)			P. & S.	47 Pierrepont, Bklyn.
Tobey, Mrs. Evelyn C. Tutor			T.	195 Claremont ave.
Todd, G. W. Clin. Asst. (30)			V. C.	225 West End ave.
Todd, H. A. Prof. (10)	M. W. 12:30	34	308 W.	824 West End Ave.
Tombo, R., Jr. Adj. Prof. and Alumni Secy. (15)	M.-F. 9-5; S. 9-12	194	311 East V. C.	401 W. 118 443 Lexington ave.
Tower, J. E. Clin. Asst. (30)			502 F.	279 W. 71
Trent, W. P. Prof. (12)	Th. 12:30-1	16	210 F.	
Trowbridge, C. C. Instr. (22)	M. W. F. 2-4 S. 10-12	15	403 F.	435 Riverside Drive
Tucker, S. A. Adj. Prof. (16)	Daily 9-5	127	102 Hv.	155 E. 61
Tufts, Edith M. Tr.			Sp. S.	Whittier
Turnure, P. R. Instr. (23)			P. & S.	55 W. 49
Tyson, H. H. Instr. (23)			P. & S.	47 W. 51
Uhlig, W. C. Asst. (27)	Daily 1-4		516 Hv.	242 Halsted, E. Orange
Upton, C. B. Instr.			T.	500 W. 121
Upton, Mrs. Siegfried H. Tr.			H. M. S.	500 W. 121
Valentine, Laura C. Lib. and Social Worker			Sp. S.	94 Lawrence
Van Amringe, J. H. Prof. and Dean of Columbia College (9)	W. F. 1:10	62	208 Hm.	48 E. 26
Van Arsdale, May B. Instr.			T.	457 W. 123
Van Beuren, F. T. Assoc. and Instr. (21)			P. & S.	812 Park ave.
Vanderbilt, Sadie B. Asst.			T.	216 W. 103
Van Pelt, J. V. Assoc. (21)			333 4th ave.	
Van Wagenen, C. D. Clin. Asst. (30)			V. C.	616 Madison ave.
Vogel, K. M. Adj. Prof. (19)			P. & S.	80 E. 55
Voorhees, I. W. Clin. Asst. (30)			V. C.	3544 Broadway
Voorhees, J. D. Adj. Prof. (17)			P. & S.	106 E. 60
Vorisek, A. Prof. (17)			Phar.	115 W. 68
Vosburgh, A. S. Instr. (24)			P. & S.	85 E. 56
Vulté, H. T. Adj. Prof. (14)	W. 4-5		T.	33 Park ave., New Rochelle
Wadelon, Helen C. Rec. (6)		118	421 L.	
Wadsworth, A. B. Adj. Prof. (19)			P. & S.	180 W. 59
Walker, A. L. Prof. (19)	Tu. Th. 1-2	27	512 M.	Dongan Hills, S. I.
Walker, J. B. Adj. Prof. (18)			P. & S.	33 E. 33
Ward, F. E. Assoc. (22)	Th. 10:30-11:30	101	606 M.	477 W. 140
Ward, W. Instr. (24)			P. & S.	447 W. 59
Ware, W. R. Emer. Prof. (7)				Milton, Mass.
Warner, L. A. Instr.			T.	

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Warren, C. P. Adj. Prof. (19)	F. 10-11	41	602 Hv.	Woodcliffe Lake, N. J.
Webb, H. W. Instr. (25)	Tu. Th. 11-12		305 F.	509 W. 124
Weeks, Mabel F., Adj. Prof. (18)	Th. 11-12	125	136 B.	Brooks
Weeks, R. Prof. (20)	Tu. Th. 11-12		111 B.	420 W. 118
Weick, C. W. Instr. (22)	Tu. 9-12		327 T.	507 W. 124
Weinstein, J. W. Clin. Asst. (29)			V. C.	61 E. 107
Weir, R. F. Emer. Prof. (7)			P. & S.	11 E. 54
Weiser, Lucy H. Tr.			H. M. S.	
Westcott, A. F. Tutor (25)	W. F. 10; Tu. Th. 2	187	608 Hm.	417 W. 121
Wheeler, Clara M. Tr.			H. M. S.	417 W. 118
Wheeler, J. R. Prof. and Acting Dean, Fac. Fine Arts (11)	M. Th. 4	149	401 East H. M. S.	433 W. 117 500 W. 121
Wheelock, Mrs. Elizabeth M. Tr.				165 Broadway
Whitaker, F. P. Asst. (29)			V. C.	171 W. 95
White, D. Clin. Asst. (31)				150 Maplewood ave., Germantown, Pa.
White, W. P. Lect. (27)				70 W. 47
Whiting, C. A. Clin. Asst. (30)			V. C.	200 W. 56
Whiting, J. R. Asst. (28)			P. & S.	416 W. 122
Whitley, Mary T. Tutor			T.	283 Lexington ave.
Whitman, R. Adj. Prof. (17)			P. & S.	8 Morningside ave. E.
Whittemore, Laura B. Tutor			T.	159 E. 70
Wilcox, H. B. Asst. (28)			P. & S.	2493 Broadway
Wile, I. S. Clin. Asst. (30)			V. C.	Whittier
Williams, Blanche C. Tutor			T.	711 Park ave.
Williams, L. R. Assoc. (21)			P. & S.	222 W. 72
Williams, P. H. Instr. (24)			P. & S.	527 W. 124
Williams, R. H. Instr.			T.	Hotel San Remo
Williams, W. R. Adj. Prof. (19)			P. & S.	620 W. 122
Wills, A. P. Prof. (16)	Tu. Th. 10-11	46	603 F.	
Wilson, E. B. Prof. (10)	Tu. W. Th. F. 10:30-11:30	25	609 S. Phar.	468 Riverside Drive 115 W. 68
Wimmer, C. P. Instr.			T.	176 Elm ave., Mt. Vernon
Winchell, Cora M. Tutor				176 Elm Ave., Mt. Vernon
Winchell, Florence E. Tutor			T.	
Wittson, A. J. Clin. Asst. (31)			V. C.	273 W. 73
Wood, Elvira, Curator (27)	W. Th. F. S. 9-5		104 S.	417 W. 120
Wood F. C. Prof. (14)			P. & S.	201 W. 55
Wood, T. D. Prof. (13)	Daily 9-10; 2-3		157 T.	501 W. 120
Woodbridge, F. J. E. Prof. (13)	M. W. 3	2	420 L.	Montrose, N. Y.
Woodhull, J. F. Prof. (11)	Tu. 11-12		413 T.	501 W. 120
Woodruff, I. O. Asst. (27)			P. & S.	152 W. 78
Woodworth, R. S. Prof. (16)	M. F. 10	23	409 S.	Montrose, N. Y.
Woolman, Mrs. M. S. Prof. (12)	Tu. 2-3 Th. 11:30-12		114 T.	21 W. 101
Woolson, I. H. Adj. Prof. (13)	Daily 9-5	33	308 E.	201 Franklin, Astoria L. I.
Wright, Eleanor, Tr.			Sp. S.	94 Lawrence
Wye, Theodora E. Asst.			T.	420 W. 121
Wynne, S. W. Clin. Asst. (31)			V. C.	621 W. 135



*DIRECTORY OF OFFICERS*

NAME	OFFICE HOURS	TEL.	OFFICE	RESIDENCE
Yard, A. B. Clin. Asst. (30)			V. C.	28 W. 105
Yohannan, A. Lect. (26)	M. W. 3-4	122	L.	321 W. 118
Young, C. H. Prof. (12)	Tu 2-3; W. 4-5	184	404 East	312 W. 88
Zandstra, S. Lect. (27)	W. F. 11-12; 2-3		308 U.	Lodi, N. J.
Zanetti, J. E. Tutor (26)	Tu. 11-12		512 Hv.	Hartley
Zerbe, Margaret, Instr.			T.	500 W. 121
Zinsser, H. Instr. (24)			P. & S.	263 W. 84

## DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

<i>c</i> College	<i>pl</i> School of Political Science
<i>l</i> School of Law	<i>s</i> School of Mines, Chemistry, and Engineering
<i>m</i> School of Medicine	<i>b</i> Barnard College
<i>p</i> School of Pure Science	<i>t</i> Teachers College
<i>ph</i> School of Philosophy	<i>f a</i> Fine Arts (Architecture, Music, and Design,
	<i>phar</i> School of Pharmacy

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. The abbreviation *gr* indicates a graduate student in the professional schools, *nm* a non-matriculated student.

The names of women are printed in *italics*.

"Hartley," "Livingston," "Brooks," and "Whittier" refer to the University Residence Halls.

For names of students not in Directory, see Class lists in Annual Catalogue, and for addresses consult card index in Office or Registrar.

Abbott, F. B. <i>ph</i> 490 Seventh, Bklyn.	Adlman, S. 4 <i>c</i> 15 Ryle ave.
Abeles, B. 3 <i>t</i> 193 Second ave.	Africa, H. S. <i>ph</i> Hartley
Abelow, S. P. <i>pl</i> 464 Willoughby ave., Bklyn.	Agnew, W. C. <i>f a</i> Livingston
Abernethy, A. E. 3 <i>t</i> 501 W. 122	Agramonte, P. H. 3 <i>s</i> 292 W. 92
Abraham, M. <i>ph</i> 46 W. 90	Ahearn, T. J., Jr. 2 <i>c</i> 1050 Clay ave.
Abrahams, A. I. 3 <i>c</i> 67 E. 93	Ahearn, W. D. 1 <i>c</i> 755 E. Parkway, Bklyn.
Acker, J. <i>f a</i> 2329 Seventh ave.	Ahlers, B. H. 4 <i>s</i> 20 S. 8th ave., Rockaway Pk.
Ackerman, S. B. 2 <i>l</i> 1265 - 49 Bklyn.	Albright, M. <i>gr t</i> 79th & Amsterdam
Ackerman, S. H., Jr. 3 <i>m</i> 742 Union, Bklyn.	Alden, I. <i>p</i> 24 Waldron ave., Summit
Ackerman, W. <i>ph</i> 128 Lewis	Alexander, A. <i>nm b</i> Whittier
Adams, A. M. 3 <i>t</i> 417 W. 121	Alexander, A. D. 1 <i>l</i> 604 W. 114
Adams, B. P. <i>ph</i> Livingston	Alexander, C. <i>gr t</i> Livingston
Adams, F. D. <i>ph</i> 415 W. 118	Alexander, H. 3 <i>m</i> 616 River, Hoboken
Adams, L. 1 <i>m</i> 446 Central Park, W.	Alexander, H. R. 1 <i>c</i> 764 St. Nicholas ave.
Adams, M. P. <i>gr t</i> Livingston	Alexander, R. 4 <i>t</i> 11 W. 118
Adée, D. D. 2 <i>m</i> 1479 Met. ave., Bklyn.	Alexander, R. J. 2 <i>c</i> 310 W. 94
Adelstein, M. 2 <i>c</i> 110 W. 86	Alexander, S. S. 4 <i>t</i> 326 W. 83
Adler, R. S. <i>f a</i> Hartley	Alexander, T. 4 <i>c</i> 520 W. 123
Adlerblum, I. S. <i>pl</i> 1687 Bathgate ave.	Alexander, T. M. 1 <i>l</i> 604 W. 114

- Alfke, E. V., *t* 346 E. 29  
 Allan, A. C. 4 *t* Whittier  
 Allen, E. B. 4 *t* 618 W. 135  
 Allen, E. L. 3 *b* 244 W. 104  
 Allen, F. M. 3 *s* 413 W. 117  
 Allen, H. B. 3 *s* 419 W. 115  
 Allen, J. A. 2 *l* 616 W. 113  
 Allen, L. B. *ph*  
 10 Park ave., Leonia, N. J.  
 Allen, S. I. *nm c*  
 Riverside Drive and 116  
 Allentoch, M. 1 *s* 300 E. 143  
 Alles, R. H. *ph* C. C. N. Y.  
 Alling, F. A. 3 *m*  
 16 Park Pl., Newark  
 Allison, G. D. *pl* 700 Park Ave.  
 Almirall, L. V. 2 *l* Hartley  
 Almond, J. P. *fa*  
 1120 Amsterdam ave.  
 Alsop, R. D. 3 *l*  
 96 Remsen, Bklyn.  
 Altarelli, C. C. *pl m*  
 Altenburg, E. 3 *c*  
 2803 Third ave.  
 Alterman, J. J. 2 *l*  
 135 Eighth ave.  
 Amano, S. I. *pl* 64 E. 133  
 Amend, C. G. *p* 33 W. 81  
 Ammerman, S. L. *p*  
 1588 E. 12, Bklyn.  
 Amy, H. L. 3 *b* 430 W. 122  
 Ananieff, V. P. 2 *s* 263 W. 112  
 Anderson, A. 4 *b*  
 197 Liberty, Long Branch  
 Anderson, F. D. 2 *b* Brooks  
 Anderson, L. E. *nm t*  
 109 Greene ave., Bklyn.  
 Anderson, L. S. 3 *b*  
 318 - 43, Bklyn.  
 Anderson, M. F. 3 *t* 251 W. 133  
 Anderson, M. P. *p*  
 2776 Decatur ave.  
 Anderton, W. P. 3 *m*  
 180 Madison ave.  
 Andrews, M. E. *pl* Whittier  
 Andrews, P. S. 1 *l* Hartley  
 Angell, D. B. 3 *t* 500 W. 144  
 Angell, N. H. 4 *c* 540 W. 113  
 Anspacher, A. S. *ph*  
 845 Monroe ave., Scranton, Pa.  
 Anthony, A. G. *gr t*  
 1347 Clinton ave.  
 Appel, A. 2 *l* 82 E. 109  
 Appel, F. J. *ph* 32 W. 123  
 Archer, M. A. 3 *t* Whittier  
 Arena, J. 4 *m* 2035 Belmont ave.  
 Arkush, E. J. 4 *s* 1 W. 102  
 Armstrong, A. H. *gr t*  
 Dobbs Ferry  
 Armstrong, D. B. 2 *m* 346 W. 57  
 Armstrong, E. H. 1 *s*  
 1032 Warburton ave., Yonkers  
 Armstrong, F. T. 2 *c*  
 1744 Broadway  
 Armstrong, L. J. 4 *t*  
 1744 Broadway  
 Armstrong, N. V. 1 *b*  
 Upper Montclair  
 Arnold, L. S. 1 *l*  
 Hotel Gramatan, Bronxville  
 Arnstein, W. L. 4 *s* 205 E. 57  
 Aronin, I. 1 *s* 812 E. 165  
 Aronowitz, G. 2 *m*  
 204 Ellery, Bklyn.  
 Aschner, P. W. 2 *m*  
 111 Clark, Bklyn.  
 Ashcroft, C. Van R. *gr t*  
 154 W. 136  
 Ashe, J. R. 3 *m* 558 W. 181  
 Ashe, S. W. *p* 1134 Pacific, Bklyn.  
 Asher, J. 3 *l* 400 Manhattan ave.  
 Asher, W. *gr t* 68 E. 108  
 Askowith, D. *pl* 7 W. 117  
 Atkinson, C. R. *pl* 53 W. 105  
 Atkinson, E. D. 3 *t* Whittier  
 Atkinson, Geoffroy, 2 *c* 501 W. 120  
 Atkinson, Guy 1 *s* 501 W. 120  
 Atkinson, L. S. 3 *t*  
 196 Berkeley Place, Bklyn.  
 Auerbach, C. 3 *b* 304 W. 87  
 Auerbach, J. G. 1 *b* 40 W. 77  
 Auerbach, R. 4 *t* 686 Union ave.  
 Ault, H. A. 3 *l* Livingston  
 Avent, J. M. 3 *t*  
 1094 Woodycrest ave.  
 Avery, H. 4 *t* Whittier  
 Avery, W. 1 *c*  
 98 Second Pl., Bklyn.  
 Axman, L. H. 1 *c* 221 E. 61  
 Ayer, F. A. 3 *s* 500 W. 122  
 Baar, E. N. 1 *c*  
 552a Macon, Bklyn.  
 Babbitt, J. W. *nm c* Hartley  
 Babcock, E. C. *nm s*  
 810 Carnegie Hall  
 Babcock, H. S. 2 *s* 614 W. 113  
 Babcock, J. W. 1 *m*  
 834 Grand, Jersey City  
 Babcock, L. R. 3 *t* Alden, N. Y.  
 Babcock, R. A. 4 *t* Alden, N. Y.  
 Babcock, T. S. 4 *s* 614 W. 114  
 Bach, H. M. 3 *s* 2880 Broadway

- Bachrach, S. *pl* 154 W. 123  
 Back, E. M. *p*  
     51 Cedar Place, Yonkers  
 Bacó, I. V. *3 t* Whittier  
 Bacon, G. F. *pl* 70 Irving Pl.  
 Bacon, H. E. *ph* 70 Irving Pl.  
 Baer, A. *gr t* 114 E. 87  
 Baer, S. *4 s* 114 E. 87  
 Bagnell, R. *ph*  
     268 Stuyvesant ave., Bklyn.  
 Bagnell, R. H. *1 l*  
     268 Stuyvesant ave., Bklyn.  
 Bailey, M. W. *4 b* 92 Fourth ave.  
 Bailey, W. B. *2 c*  
     260 Hancock, Bklyn.  
 Bains, T. M., Jr. *3 s* 520 W. 123  
 Bainton, W. L. *1 c*  
     25 Morningside ave.  
 Baird, A. C. *ph* 700 Park ave.  
 Baird, R. A. *3 t* 505 W. 122  
 Baird, R. D. *1 l* 63 W. 83  
 Baker, E. *p* Brooks  
 Baker, E. W. *2 m*  
     76 Hardenbrook ave., Jamaica  
 Baker, H. D. *3 c* 325 W. 108  
 Baker, J. A., Jr. *3 c* 314 W. 88  
 Baker, W. E. *2 c*  
     873 Second ave.  
 Balderston, L. R. *4 t* 511 W. 122  
 Baldt, L. I. *4 t* 501 W. 123  
 Baldwin, A. V. *3 s* 413 W. 117  
 Baldwin, B. J. *pl* Livingston  
 Baldwin, I. C. *4 t* 416 W. 118  
 Baldwin, J. W. *pl*  
     287 William, E. Orange  
 Baldwin, L. W. *3 l* Hartley  
 Ball, O. S. *1 c* 622 W. 113  
 Ballard, J. H. *ph* 143 W. 105  
 Ballot, M. R. L. *1 b*  
     913 President, Bklyn.  
 Balmford, E. F. *1 b* 509 W. 146  
 Balsam, J. *fa*  
     1232 Clay ave., Bronx  
 Bament, H. V. *nm b*  
     105 Carnegie ave., E. Orange  
 Bangs, E. O. *fa* 400 W. 57  
 Bangs, F. N. *1 c* 627 W. 115  
 Bangs, H. McC. *2 l* 160 W. 59  
 Bangser, Wm. *2 s* Livingston  
 Banks, H. P. *3 s* 104 John  
 Baragwanath, J. G. *4 c* 619 W. 113  
 Barber, F. W. *4 t* 522 W. 112  
 Barber, H. C. *fa*  
     191 Lefferts Pl., Bklyn.  
 Barber, W. H. *3 m*  
     210 Rodney, Bklyn.  
 Barbero, G. *2 s* Third ave. & 148  
 Barbour, R. *3 s* 11 W. 53  
 Barish, S. *4 t* 663 Crotona Pk., N.  
 Barker, A. M. *2 c* 558 W. 113  
 Barmore, B. K. *t*  
     109 Essex ave., Orange  
 Barnes, C. P. *p*  
     786 Morris Park ave.  
 Barnes, H. F. *pl* 125 E. 27  
 Barns, N. L. *3 t* 500 W. 121  
 Barns, S. R. *4 t* 500 W. 121  
 Barnum, A. H. *4 t* 416 W. 122  
 Barnum, R. F. *4 c* 616 W. 113  
 Baroff, A. *4 c* 2294 Arthur ave.  
 Barr, J. H. *pl*  
     1292 Amsterdam ave.  
 Barr, L. E. *gr t* 417 W. 121  
 Barr, S. *1 c* 215 E. 114  
 Barrett, A. A. B. *1 b* 541 W. 142  
 Barrett, G. H. *2 c* 257 W. 86  
 Barrett, M. *2 b* Brooks  
 Barrett, O. C. *2 c* Hartley  
 Barrett, P. S. *2 m*  
     511 Lafayette ave., Bklyn.  
 Barrow, J. B. *gr t*  
     5017 Fourth ave., Bklyn.  
 Barrows, T. *4 b* 102 W. 115  
 Barrows, W. L. *p*  
     62 Maple ave., Greenwich, Conn.  
 Bartling, L. *1 b* 419 W. 117  
 Basch, E. A. *p* 275 W. 145  
 Basseches, J. L. *1 s* 2 Spring  
 Batchelor, C. B. *gr t* 541 W. 124  
 Bateman, F. H. *fa*  
     40 Irving Pl., Bklyn.  
 Bates, J. S. *2 s* Hartley  
 Bates, M. C. *ph* 457 W. 123  
 Batt, R. M. *4 t* Hartley  
 Batterman, M. J. *t*  
     293 Decatur, Bklyn.  
 Batterton, F. P. *nm b* 315 W. 97  
 Bauch, O. v. K. B. *ph* Whittier  
 Bauer, J. K. *gr t* Whittier  
 Baum, A. L. *3 s* 252 W. 128  
 Baumann, O. I. *4 m* 336 E. 72  
 Baumeister, P. A. *3 s*  
     402 Amity, Flushing  
 Baumer, H. P. *3 l* Livingston  
 Baumert, C. *4 t* 815 Park ave.  
 Baxter, E. P. *4 t* Highwood, N. J.  
 Baxter, M. W. *pl*  
     44 Morningside ave., W.  
 Baxter, R. W. *ph* 104 E. 22  
 Beach, F. P. *ph* 700 Park ave.  
 Beadle, Jno. B. *2 s* Hartley  
 Beal, G. D. *p* 418 W. 118  
 Beal, T. A. *pl* 3283 Broadway  
 Bean, C. H. *ph* 417 W. 121

- Beard, J. T., Jr. 4 c 430 W. 119  
 Bech, T. F. ph Livingston  
 Bechtel, G. M. 1 c Hartley  
 Beck, F. R. ph 520 W. 123  
 Beck, S. 4 m 3136 Broadway  
 Becker, B. M. 4 t 254 W. 98  
 Becker, G. J. ph 722 Union ave.  
 Becker, P. F. 3 s 14 Orchard  
 Beckwith, H. pl 972 Simpson  
 Bedell, Mrs. A. L. f a  
 997 Greene ave., Bklyn.  
 Bedford, H. E., Jr. 2 l  
 117 Gates ave., Bklyn.  
 Beeckman, F. L. pl 141 W. 104  
 Beegle, M. P. 4 t 209 E. 23  
 Beehler, G. R. 1 s Hartley  
 Beemer, J. G., Jr. 1 s  
 Ridgemont, Yonkers  
 Beers, E. A. 4 t 517 W. 171  
 Beers, F. E. ph 517 W. 171  
 Begg, Alex. L. W. pl 131 E. 17  
 Beggs, G. E. 4 s 1004 Livingston  
 Behar, M. F. 2 s 517 W. 124  
 Behr, K. H. 3 l 777 Madison ave.  
 Behrman, L. W. nm l Livingston  
 Belcher, A. W. gr t  
 10 St. Nicholas Ter.  
 Belden, F. M. 2 m  
 272 Clinton ave., Bklyn.  
 Belinkoff, S. 2 c  
 420 Avenue C, Bayonne, N. J.  
 Bell, H. K. 4 m  
 305 Barclay, Flushing  
 Bell, H. W. pl  
 General Theological Seminary  
 Bell, J. E. 1 s 609 W. 158  
 Bell, J. G. ph Livingston  
 Bell, S. M. 2 l 618 W. 113  
 Bell, T. P. 1 s 609 W. 158  
 Bell, W. A., Jr. 2 c 304 W. 109  
 Beller, A. J. 4 m 133 E. 97  
 Bellinger, C. C. 4 t 530 W. 123  
 Bellinger, F. f a  
 50 Morningside ave., W.  
 Bellinger, Mrs. F. ph  
 50 Morningside ave.  
 Bellinger, W. H. 1 c 115 W. 91  
 Bender, A. p.  
 51 Clinton ave., Jersey City  
 Bender, S. 3 c  
 291 Stuyvesant ave., Bklyn.  
 Bender, T. 4 m  
 76 Jasper, Paterson  
 Benedict, M. E. 3 t  
 606 Madison ave., Plainfield  
 Benedict, R. C. p  
 2427 Lorillard Pl.  
 Bengess, E. L. 1 b  
 8 St. Nicholas Ter.  
 Benitez, F. 4 t 526 W. 123  
 Bennett, A. L. 3 b Brooks  
 Bennett, C. R. gr t 3099 Broadway  
 Bennett, L. M. 4 t 3099 Broadway  
 Benson, A. B. ph Livingston  
 Benson, C. D. 2 s 255 W. 101  
 Bergamini, J. V. W. f a  
 252-67, Bklyn.  
 Bergamini, R. ph 105 W. 11  
 Berge, F. O. 1 l 3153 Broadway  
 Berger, W. R. pl Madison, N. J.  
 Bergman, A. H. 3 c  
 259 Court, Bklyn.  
 Bergman, H. p 422 W. 122  
 Berinstein, B. J. 4 c 54 W. 118  
 Berk, W. L. 1 c 425-4, Bklyn.  
 Berkowitz, H. 3 c  
 798 Tremont ave.  
 Berlenbach, C. F. f a  
 13 Stuyvesant ave., Bklyn.  
 Berliner, L. H. 3 l 234 W. 139  
 Berna, H. P. 1 s Hartley  
 Bernard, U. M. ph 607 W. 116  
 Bernkopf, A. E. gr t 503 W. 121  
 Bernkopf, M. A. M. ph  
 507 W. 121  
 Berrian, G. 2 b Spuyten Duyvil  
 Berry, F. A. f a 520 W. 114  
 Berry, H. B. gr t Earl  
 Berry, J. T. gr t The Winthrop  
 Bertrand, H. nm c 244 W. 99  
 Bertsch, M. 3 t 507 W. 160  
 Besançon, B. E. 3 t  
 315 Traphagen, W. Hoboken  
 Bessie, A. 3 m 542 W. 124  
 Best, H. pl 476 W. 152  
 Best, I. 3 t Palisade  
 Betts, A. F. 3 t  
 Dwight House, Englewood  
 Beyer, B. J. ph 201 E. Broadway  
 Bibby, H. L. 4 m  
 Belles Vista, Paterson  
 Bickel, G. A. ph  
 Bickel, P. J. 1 l 524 W. 123  
 Bidstrup, G. 3 t  
 46 Jerome, Bklyn.  
 Bieber, P. D. 1 l 383 E. 8  
 Bigelow, M. H. 1 l 69 E. 78  
 Bigelow, S. A. ph  
 2262 Sedgwick ave.  
 Bigley, A. N. 4 t Whittier  
 Biglow, B. T. pl  
 The Castle, Tarrytown  
 Biglow, D. H. 2 l  
 1267 Pacific, Bklyn.



- Bijur, H. 2 l 160 W. 75  
 Bildersee, A. ph 213 W. 105  
 Billingsley, P. p 446 Macon, Bklyn.  
 Birdsong, N. W. 4 t 417 W. 118  
 Bisch, L. E. 3 m 239 W. 105  
 Bishop, E. T. 1 l 530 W. 123  
 Bishop, F. A. 3 b 500 W. 122  
 Bishop, F. W. 2 m 202 W. 103  
 Bishop, M. H. 3 b 417 W. 121  
 Bishop, S. H. 1 c 127 W. 30  
 Bissell, A. W. 1 s 431 W. 117  
 Bissell, C. H. 2 l Hartley  
 Bissell, K. H. 1 s 46 W. 55  
 Bissell, L. G. 3 l Livingston  
 Bissell, P. St. G., Jr. pl 1 l 16 W. 40  
 Bitterman, A. B. 1 c 104 McLean ave., Yonkers  
 Blaber, J. T. 4 c 203-18, Bklyn.  
 Blaber, M. P. 4 m 203-18, Bklyn.  
 Black, H. S. 2 s 63 Franklin ave., New Rochelle  
 Black, L. M., Jr. 3 l 376 McDonough, Bklyn.  
 Blackburn, L. P. 324 W. 58  
 Blair, A. 4 t 504 W. 122  
 Blan, L. B. gr t 151 Richmond  
 ave., Port Richmond  
 Blankenhorn, H. ph 918 Livingston  
 Blankenstein, M. M. 3 t Whittier  
 Blase, H. W. f a 544 W. 126  
 Blatz, E. C. 3 t 500 W. 123  
 Blau, J. ph 1438-45, Bklyn.  
 Blaut, S. J. 1 s 331 E. 51  
 Bleier, E. 2 m 915 Prospect ave.  
 Blinn, O. S. 2 l 496 Jefferson ave., Bklyn.  
 Bloch, F. 1 b 12 E. 97  
 Bloch, H. 3 c 12 E. 97  
 Bloch, S. 3 b 552 W. 161  
 Block, M. 4 c 848 Greene ave., Bklyn.  
 Block, S. ph 848 Greene ave., Bklyn.  
 Blohm, A. ph Livingston  
 Blomkenstein, M. M. 3 t Whittier  
 Blount, I. M. 1 b Brooks  
 Blum, I. 3 l  
 Blum, J. 4 m 1380 Prospect ave.  
 Blumberg, H. p 268 Stockton, Bklyn.  
 Blumborg, I. B. 3 c 113-2  
 Blumenfeld, R. 3 s 508 W. 114  
 Blumenstock, J. gr t 538a Willoughby ave., Bklyn.  
 Blumenthal, A. S. 3 s Maywood, N. J.  
 Blumenthal, I. 4 t 24 Beekman Pl.  
 Blumgarten, S. L. 2 b 550 Ave. A, Bayonne  
 Boas, E. P. 4 c Grantwood  
 Boas, P. E. 2 c 10 W. 88  
 Bocker, D. 4 t 408 E. 162  
 Boegehold, H. L. 2 b 120 N. Sixth ave., Mt. Vernon  
 Boehncke, G. 3 t 1270 Amsterdam ave.  
 Bogarte, M. B. 4 t 616 W. 135  
 Bohan, L. 3 b Brooks  
 Bokshitzky, I. 3 b 381 Kosciusko, Bklyn.  
 Bokshitzky, M. E. 1 c 381 Kosciusko, Bklyn.  
 Boman, J. S. p 1113 Lexington ave.  
 Bond, J. H. 1 l 501 W. 121  
 Bonestell, C. K., Jr. f a 608 W. 113  
 Bonfils, G. A. 4 b 147 Union ave., Jamaica  
 Bonham, M. L., Jr. pl 2041 Seventh ave.  
 Bonnard, A. Y. 3 t 92 Prospect, Passaic  
 Bonnard, E. 3 t 92 Prospect, Passaic  
 Bonnlander, V. C. 1 m 1509 De Kalb ave., Bklyn.  
 Bonsall, V. F. ph Livingston  
 Bookwalter, J. S. f a 524 W. 123  
 Boorman, K. M. 4 s 633 W. 148  
 Boote, G. E. gr t 99 Highland ave., Yonkers  
 Booth, C. W. ph 70 Irving Pl.  
 Booth, E. 2 b 512 W. 136  
 Borchardt, E. M. pl 352 E. 124  
 Borchardt, G. S. 2 b 352 E. 124  
 Borden, E. H. 3 t Whittier  
 Borden, G. H. 4 t Whittier  
 Born, S. 4 c 320 W. 139  
 Bortone, F. 2 m 150 Bloomfield ave., Newark  
 Bosch, J. A. 3 b 660 E. 163  
 Boster, M. ph 39 E. 31  
 Bostock, O. 3 t Whittier  
 Bostwick, S. W. 4 t 44 First Pl., Bklyn.  
 Botter, H. 1 c 159 First ave.

- Boudin, A. P. *pl* 477 E. 16 Bklyn.  
 Bourne, A. O., Jr. *ph* Hartley  
 Bouton, R. M. *nm c* 608 W. 113  
 Bowers, F. T. 2 *c*  
     650 Kosciuszko, Bklyn.  
 Bowes, C. M. 4 *s* 404 W. 116  
 Bowles, F. C. 1 *m* 557 W. 124  
 Bowling, O. S. 1 *l* 250 W. 112  
 Bowman, K. H. 2 *s*  
     193 Cooper ave., U. Montclair  
 Bowman, N. C. *ph* 527 W. 121  
 Bowne, R. S. 1 *c* Bloomfield, N. J.  
 Boyce, W. S. *pl* Livingston  
 Boyers, J. C. *pl* 1054 Lexington  
 Boyle, A. C., Jr. *p*  
 Boyle, C. A. 1 *s* 534 Trinity ave.  
 Boylston, E. J. B., Jr. 1 *s*  
     321 E. 169  
 Boynton, W. H. *p* 503 W. 121  
 Bradbeer, H. E. 2 *b*  
     140 E. Lincoln ave., Mt. Vernon  
 Bradford, I. M. *ph* 505 W. 121  
 Bradish, E. C. 3 *t* Whittier  
 Bradley, H. 3 *t* Whittier  
 Bradley, S. M. 2 *s* 618 W. 113  
 Bradshaw, I. K. *pl* 416 W. 118  
 Brady, E. S. *gr t* 88 Day, Orange  
 Brady, J. C. 1 *s* 246 W. 129  
 Braender, W. P. 2 *s* 558 W. 113  
 Brainerd, H. B. *f a* 135 E. 30  
 Brainin, C. S. *p* 1851 Madison ave.  
 Brainin, E. *ph* 1851 Madison ave.  
 Braley, J. N. 4 *t* Whittier  
 Brambach, A. 2 *s* Scarsdale  
 Bramwell, G. M. 2 *c*  
     116 & Riverside Dr.  
 Brancati, C. 1 *m* 2262-1st ave.  
 Brandley, W. 3 *l* Hartley  
 Brandon, H. C. 4 *t* 401 W. 117  
 Brands C. *ph* 137 Clinton, Bklyn.  
 Brandt, R. C. 3 *c* 531 W. 113  
 Branner, J. K. *f a* Livingston  
 Bratton, W. N. 1 *s*  
     719 Park ave., Hoboken  
 Brauch, S. J. *gr t* 700 Park ave.  
 Braus, L. 1 *c* 468 Riverside Drive  
 Brav, L. B. 119 W. 123  
 Bray, C. B. 3 *t* Whittier  
 Breitenfeld, E. 2 *l* 221 E. 68  
 Brennan, M. M. 1 *b* 330 W. 95  
 Brenner, A. B. 2 *c*  
     252 Carroll, Bklyn.  
 Brenner, M. 4 *c*  
     252 Carroll, Bklyn.  
 Brenner, S. *f a* 107 Second ave.  
 Bressler, H. B. *ph*  
     158 Second ave., L. I. City
- Brett, A. 3 *t*  
     194 Madison ave., Flushing  
 Brett, E. M. 3 *t*  
     194 Madison ave., Flushing  
 Brett, G. M. *p* 226 Hartley  
 Brettell, C. 3 *s*  
     29 Meadow Lane, New Rochelle  
 Brewer, Mrs. M. D. 4 *t* Whittier  
 Brewer, R. H. *pl* Livingston  
 Brewster, A. D. *ph* 527 W. 124  
 Brewster, I. A. *pl*  
     17 Lexington ave.  
 Bridges, C. B. 1 *c*  
     River Edge, N. J.  
 Briggs, R. W. 3 *s*  
     1718 Melville ave.  
 Brigham, L. W. *pl*  
     2112 Beverly Rd., Bklyn.  
 Brigham, N. R. *f a* 114 Hartley  
 Bright, A. A. 1 *l* Livingston  
 Bright, M. S. 4 *t*  
     1230 Amsterdam ave.  
 Brill, I. C. 2 *c* 313 W. 117  
 Brim, C. J. 2 *m* 46 Walker  
 Bristol, A. E. 1 *l*  
 Bristol, H. K. 2 *b* 307 W. 98  
 Brittain, J. B. 4 *c* 531 W. 113  
 Brittain, W. M. *pl* 459 W. 123  
 Brock, A. J. 1 *c* 207 E. 71  
 Brock, R. E. 1 *c* 616 W. 113  
 Broderick, E. V. 2 *c*  
     31 Vineyard ave., Yonkers  
 Broe, A. L. 4 *s* 214 E. 61  
 Brombacher, E. C. 1 *b* 105 W. 183  
 Brombacher, M. H. C., Jr. 1 *s*  
     105 W. 183  
 Brookmann, O. W. E. 2 *s*  
     Church, Richmond Hill  
 Brooks, A. E. *nm c* 316 W. 53  
 Brooks, R. W. 1 *b*  
     Harrison, N. Y.  
 Brothers, J. H., Jr. 1 *m*  
     62 James, Newark  
 Brown, A. 3 *t* 16 W. 65  
 Brown, A. D. R. *nm c*  
     220 Broadway  
 Brown, A. G. 1 *b* Brooks  
 Brown, B. B. *ph* Mamaroneck  
 Brown, C. 4 *t* Whittier  
 Brown, C. B. 3 *s*  
     112 Riverside Drive  
 Brown, E. A. *gr t*  
     518 Manhattan ave.  
 Brown, E. F. *ph* Whittier  
 Brown, E. K. *gr t* Whittier  
 Brown, F. J. 1 *c* 158 W. 131  
 Brown, F. L. 4 *m* 231 W. 69

- Brown, F. X. 1 m  
8217-22d ave., Bklyn.
- Brown, G. D. 1 b 618 W. 136
- Brown, H. 3 b Brooks
- Brown, J. 3 b  
94 Shelton ave., Jamaica
- Brown, L. A. 1 l ph  
1840 Madison ave.
- Brown, N. M. 4 t Whittier
- Brown, M. L. ph 511 W. 113
- Brown, R. M. 3 m 136 W. 61
- Brown, R. S. 4 c  
332 New York ave., Newark
- Brown, S. W. gr t Hartley
- Brown, T. E. 2 s  
112 Riverside Drive
- Browne, K. C. 4 s  
1235 Tinton ave.
- Browne, M. E. p  
1539 Pacific, Bklyn.
- Browne, T. Q. p Morristown
- Browning, C. P. 2 s 616 W. 113
- Browning, L. C. gr t 129 W. 76
- Brubaker, M. H. 2 l  
922 Livingston
- Bruckheimer, R. M. 3 m  
22 Mt. Morris Park, W.
- Brundage, H. D. 4 t  
2146 Honeywell ave.
- Brune, C. M. pl 425 W. 118
- Brunel, B. E. 4 t 501 W. 122
- Bruning, E. E. M. 3 b  
317-73, Bklyn.
- Bruno, A. 3 c  
1249 Amsterdam ave.
- Bryan, E. H. 4 t Maywood, N. J.
- Buchanan, M. B. fa 228 W. 11
- Buchbinder, H. E. p 71 E. 109
- Bucher, M. E. ph  
33 Third, Weehawken
- Buchtenkirch, W. E. 3 s  
228 E. 31
- Buckisch, W. G. 4 c  
595 E. Seventh, Bklyn.
- Budington, E. G. pl 32 Nassau
- Buemming, C. A. 4 t  
95 Cornelia, Bklyn.
- Buffington, E. 3 t
- Bullion, H. J. 1 l
- Bullwinkler, E. J. 2 c  
533 Washington ave., Bklyn.
- Bunce, E. F. 3 t Lodi
- Bunning, E. ph 1312 Findlay ave.
- Bunzel, B. 1 b 111 E. 78
- Bunzl, M. E. 1 b 175 W. 72
- Burger, F. 4 b  
430 Saratoga ave., Bklyn.
- Burgess, E. 1 b  
129 & St. Nicholas Ter.
- Burgess, E. C. 3 t Whittier
- Burgess, M. E. 3 t Whittier
- Burgi, H. 1 s 903 E. 139
- Burgin, M. W. 4 t 161 W. 103
- Burke, A. M. 3 b Brooks
- Burke, C. V. p Livingston
- Burke, E. 1 m 62 W. 39
- Burke, F. W. 1 s 72 W. 71
- Burkhard, W. E. 1 s  
73 MacAdoo ave., Jersey City
- Burkholder, H. 2 b  
99 Macon, Bklyn.
- Burlingame, A. E. pl 430 W. 119
- Burne, E. 3 b Douglaston, L. I.
- Burnham, R. W. p  
1801 Dorchester Rd., Bklyn.
- Burnham, M. T. 4 t 537 W. 123
- Burnite, M. A. 3 t  
135 Third ave., Newark
- Burns, E. C. 3 b  
162 Eighth ave., Bklyn.
- Burns, F. 3 t 1105 Amsterdam ave.
- Burns, R. A. 3 b  
27 Sound View, Port Chester
- Burr, E. T. 3 b Greenwich, Conn.
- Burr, G. L. 2 s 720 Hartley
- Burr, M. ph 218 E. 17
- Burroughs, A. H., Jr. 1 s Hartley
- Burstein, A. 1 c 146 Lenox ave.
- Burton, R. O. 1 l  
362 Riverside Drive
- Busch, E. A. ph Whittier
- Buschmann, F. E. 4 t Whittier
- Buseck, L. 3 t 82 Maple, Passaic
- Bush, A. M. nm c  
1708 Pitkin ave., Bklyn.
- Bush, C. M. ph  
75 Maple ave., New Rochelle
- Butcher, W. F. 2 s 540 W. 113
- Butler, B. T. p 2129 Fifth ave.
- Butler, H. R. 4 t 346 W. 71
- Butler, M. E. 4 t 346 W. 71
- Butler, W. A. 1 l 30 E. 72
- Buttenwieser, C. 1 b 233 Lenox ave.
- Butterworth, G. F., Jr. 1 c  
104 E. 30
- Butts, J. E. 1 l Hartley
- Buzby, A. D. 2 s 1815-7th ave.
- Buzzolard, J. 2 l Livingston
- Byard, J. K. 2 l 155 E. 70
- Byers, W. E. 2 l 520 W. 123
- Bynon, H. C. 4 t  
1264 Amsterdam ave.
- Byrne, M. B. 3 t 690 E. 118
- Byrne, J. nm m 29 W. 61

- Byrne, J. F. *nm c* 565 W. 113  
 Byrne, J. P. *p* 489 E. 176  
*Byrne, S. M. J. ph*  
 Convent Station, N. J.
- Cacicedo, L. 3 s  
 1161 Amsterdam ave.
- Caffrey, W. S. *gr t*  
 38 Morningside ave., Yonkers
- Cahill, M. F. 4 t  
 10 Beekman Pl.
- Cahill, R. R. 1 l 530 W. 123  
*Cahn, P. 2 b* 202 Riverside Dr.
- Calahan, H. A. 2 c  
 215 Cumberland, Bklyn.
- Calder, U. L. 1 s Hartley
- Caldwell, G. D. 1 c  
 417 Convent ave.
- Caldwell, H. H. *ph* Livingston  
*Calhoun, M. gr t* 206 W. 106  
 Calhoun, O. G. C. 2 l Livingston
- Callaghan, F. 1 c 531 W. 113  
*Callan, A. M. 3 b* 816 E. 176  
*Callan, E. M. 3 t* Whittier
- Calman, A. S. 3  
 149 E. 103
- Cameron, W. S. *p* 239 W. 136
- Campbell, C. J. 2 l  
 1120 Amsterdam ave.
- Campbell, D. S. s 415 W. 115  
 Campbell, L. L. 3 l Livingston  
 Campbell, W. M. 1 c 543 W. 141
- Campion, G. N. C. 1 b 261 W. 23
- Campus, E. 4 m 64 Delancey
- Canfield, L. H. *pl* 499 W. 135
- Canino, M. G. *nm s* 223 E. 18
- Cann, J. Y. *p*  
 112 Brunswick, Newark
- Carber, F. H. 2 m 936 W. End ave.
- Carlisle, H. C. 4 s  
 Rochelle Park, New Rochelle
- Carlisle, J. H. 1 m Passaic
- Carmel, W. 1 s  
 611 Willoughby ave., Bklyn.
- Carner, S. 1 s 450 Grand
- Carney, M. 3 t Whittier
- Carples, V. H. 4 s 108 W. 141
- Carr, C. E. 1 m  
 770 Ave. C, Bayonne
- Carr, F. C. 2 c  
 770 Ave. C, Bayonne
- Carr, H. L. 4 s Hartley
- Carris, L. H. *gr t*  
 898 S. 17, Newark
- Carroll, J. W. 1 c  
 28 St. James Pl., Bklyn.
- Carroll, R. 3 b Brooks
- Carson, J. J. 4 t 565 W. 113
- Caruso, C. W. 2 c  
 142 Seventh ave., Newark.
- Caruthers, A. W. 1 s Hartley
- Casale, J. B. 1 m  
 98 Bloomfield ave., Newark
- Casale, J. E. *fa* 14 Hancock
- Case, F. L. 4 t 415 W. 118
- Case, R. C. 2 b Brooks
- Caskin, I. M. 3 t 500 W. 121
- Cassasa, C. S. B. 2 m  
 46 E. ave., Long Island City
- Cassedy, M. 1 b  
 746 St. Nicholas ave.
- Cassel, T. 3 b 1976 Madison ave.
- Castell, G. O. 3 c 618 W. 136
- Castle, C. S. *gr t*  
 70 Morningside ave.
- Castritsy, G. P. *ph* 230 W. 95
- Caswell, E. T. 3 s  
 7 Toledo ave., Elmhurst
- Catacouzinos, J. 453 W. 47
- Cawthon, F. L. *nm t* 531 W. 124
- Cazin, A. *p. 4*  
 11 Elston Rd., Upper Montclair
- Cella, C. D. 3 l  
 206 Hudson, Hoboken
- Celler, E. 1 l  
 838 Greene ave., Bklyn.
- Cerow, G. A. 1 b 503 W. 175
- Chaffee, C. E. 2 b  
 Lowerre Summit, Yonkers
- Chamberlain, M. L. *ph*  
 95 Rivington
- Chamberlin, A. S. 4 t 500 W. 121
- Chamberlin, E. C. *nm s*  
 27 W. 129
- Chan, Y. Y. 2 s Livingston
- Chanalís, M. N. 2 l Livingston
- Chandler, C. P. 1 m Livingston
- Chapin, F. S. *pl*  
 140 Lafayette ave., Bklyn.
- Chapin, H. E. 3 l 330 W. 95
- Chapin, W. B. 1 c 232 W. 101
- Chaplin, H. 1 m 231 W. 39
- Chapman, M. M. 4 t Whittier
- Chapman, R. F. 1 c  
 3603 Broadway
- Chase, A. M. P. 3 t  
 87 S. Portland ave., Bklyn.
- Chase, C. H. *nm c* Hartley
- Chase, L. A. 2 l 35 W. 64
- Chatfield, G. H. 4 t 19 W. 106
- Chatfield, S. 3 t  
 1993 Amsterdam ave.
- Chatfield, W. A. 3 t 106 W. 105
- Chatzinoff, S. *fa* 217 Henry
- Cheesman, D. H. 1 b 505 W. 112



- Chen, H. C. *pl* Hartley  
 Chen, J. H. *p* Hartley  
 Chen, W. F. *p* Livingston  
 Cheney, C. O. 3 *m* 1215 Vyse ave.  
 Cheney, G. W. *gr t*  
 38 Morningside ave., Yonkers  
 Cheney, M. D. 3 *t* 425 W. 114  
 Chenowith, I. S. *pl* 700 Park ave.  
 Cherry, W. A., Jr. 2 *s*  
 Cherry, W. H. 3 *l* Livingston  
 Chertoff, P. *ph* 109 W. 106  
 Child, A. M., Jr. *ph* 169 Franklin  
 Child, D. K. 1 *b* 351 W. 119  
 Child, H. T. *f a*  
 209 Clinton, Bklyn.  
 Childs, R. 4 *b* 68 W. 119  
 Childs, S. H. 2 *c*  
 362 Riverside Drive  
 Chilian, S. A. 3 *m* 1238 Third ave.  
 Chittick, V. L. O. *ph* 523 W. 122  
 Christian, M. K. 3 *t*  
 1436 Crotona Park, E.  
 Christianson, A. O. 3 *t* 445 W. 21  
 Chute, C. L. *pl* 26 Jones  
 Chute, M. H. 3 *t* Kappock &  
 Independence, Spuyten Duyvil  
 Chute, S. J. 2 *s* 635-11, Bklyn.  
 Cirino, A. C. 3 *t* Hartley  
 Civic, M. 1 *l* 200 Henry  
 Claghorn, J. L. 2 *s*  
 Riverside Drive & 116  
 Clapp, E. R. *ph* Brooks  
 Clapp, L. R. 4 *s* 419 W. 115  
 Clarke, A. B. C. *ph* Whittier  
 Clark, A. H. *gr t* 635 W. 115  
 Clark, C. M. 2 *c*  
 86 Wadsworth ave.  
 Clark, D. L. *ph*  
 401 Manhattan ave.  
 Clark, D. L. *f a* Hartley  
 Clark, E. D. *p* 401 W. 117  
 Clark, J. H. *f a* Hartley  
 Clark, L. M. *ph* 205 W. 118  
 Clark, O. L. *p* 32 W. 68  
 Clark, S. M. 1 *s*  
 427 Franklin ave., Bklyn.  
 Clarke, J. 2 *s*  
 49 Garden Pl., Bklyn.  
 Clarke, R. 1 *b*  
 Clemens, M. A. 3 *t* 5 W. 123  
 Clements, A. A. 3 *b*  
 50 Buchanan Pl.  
 Clements, L. E. 3 *t* Whittier  
 Clemson, W. E. 4 *s*  
 45 Fulton, Newark  
 Cleveland, C. L. 1 *c* 33 W. 130  
 Clinch, H. T. *f a* 133 W. 121
- Close, B. W. *f a*  
 248 Hancock, Bklyn.  
 Cloyd, G. *ph* 417 W. 120  
 Clyne, H. H. 2 *c*  
 135 Hamilton Pl.  
 Coates, A. A. 1 *c* 516 W. 143  
 Coates, E. M. *gr t* 417 W. 120  
 Coates, S. A. 3 *t* 417 W. 120  
 Cobb, J. L. 3 *m* 346 W. 57  
 Cobb, W. F. 3 *m* 5 W. 125  
 Cobden, R., Jr. 3 *s*  
 116 & Riverside Drive  
 Coblenz, A. *ph*  
 367 Williams ave., Bklyn.  
 Cocco, M. A. 2 *s* 427 Convent ave.  
 Cochrane, E. M. *nm b*  
 137 Rich ave., Mt. Vernon  
 Coffin, G. 1 *b* 156 W. 58  
 Coffman, L. A. 2 *c* 156 W. 58  
 Coffman, L. D. *gr t* 515 W. 124  
 Cohen, G. L. 1 *l* 100 W. 139  
 Cohen, H. A. 4 *m* 143 W. 111  
 Cohen, I. 3 *m* 1082 Anderson ave.  
 Cohen, I. 3 *l* 1239 Madison ave.  
 Cohen, J. G. 1 *l* 308 W. 113  
 Cohen, J. H. 4 *c* 43 W. 87  
 Cohen, L. 2 *b* 73 W. 30, Bayonne  
 Cohen, S. 4 *m*  
 789 St. Nicholas ave.  
 Cohen, S. M. 1 *c* 18 E. 110  
 Colburn, A. B. 3 *t*  
 144 Market, Perth Amboy  
 Colburn, M. P. *gr t* Whittier  
 Colby, E. 1 *c* 2013 Fifth ave.  
 Colby, F. *ph* Emerson  
 Cole, C. A. 1 *c* 406 E. Hall  
 Cole, H. D. 1 *c* 140 W. 96  
 Cole, H. T. 3 *s* 510 W. 124  
 Cole, P. G. 4 *m* 346 W. 57  
 Coleman, A. A. *ph* Pelham Manor  
 Coleman, I. L. 3 *t* 558 W. 184  
 Coleman, J. G. *gr t*  
 57-13 Hoboken  
 Coleman, K. R. 4 *t*  
 859 Lexington ave.  
 Coleman, L. I. 3 *t* Whittier  
 Collica, J. D. 1 *m* 17 W. 8  
 Collier, E. B. *ph*  
 280 Henry, Bklyn.  
 Collins, M. B. 4 *t* 511 W. 122  
 Collins, M. R. 3 *t* 71 W. 83  
 Collins, M. S. 3 *t* 423 W. 118  
 Colvin, D. L. *pl* 1161 Amsterdam  
 Combes, A. C. 3 *m*  
 20 Elmhurst ave., Elmhurst  
 Comes, L. 1 *b*  
 151 Park, Hackensack



- Compton, A. D. *ph*  
2 St. Nicholas Ter.
- Compton, G. B. 1 *l*  
181 Claremont ave.
- Comstock, M. C. 3 *l*
- Coney, S. T. 4 *t*  
154 Highland ave., Orange
- Conkey, O. F. 2 *m* 135 E. 42
- Conklin, M. J. 4 *t* Whittier
- Conkling, R. S. 2 *l* Livingston
- Connell, J. W. *ph*  
455 E. 4, Bklyn.
- Connors, M. F. 3 *t*  
Aleda Apts., Trenton
- Conroy, M. P. 2 *b*  
13 Townsend ave., Stapleton
- Content, H. A. 2 *l* Hartley
- Contreras, C. C. 1 *s* 608 W. 113
- Conway, J. A. 1 *c*  
65 Halsey, Astoria
- Cooder, C. M. 3 *l* 512 Livingston
- Cook, E. C. *ph* Whittier
- Cook, E. C. *gr t* 76 W. 103
- Cook, E. H. 1 *s* 520 W. 123
- Cook, H. F. *pl*
- Cook, H. M. *gr t* Clifton, N. J.
- Cook, H. M. *ph*  
380 Riverside Drive
- Cook, H. P. 1 *s*  
44 Morningside, W.
- Cook, M. G. *ph*  
111 Miln, Cranford
- Cooke, J. A. 4 *t* Whittier
- Cookingham, B. A. 3 *t* 254 W. 135
- Coombs, H. C. 3 *b*  
312 S. Bway., Yonkers
- Cooper, C. G. 3 *t*  
21 E. Radford, S. Yonkers
- Cooper, F. B. *p* Livingston
- Cooper, F. S. 2 *m* Hartley
- Cooper, I. S. 3 *t* 503 N. 121
- Copeland, R. 2 *l*  
628 Washington ave., Bklyn.
- Coplan, N. 3 *l* Livingston
- Cornish, A. M. 3 *t*
- Cornish, H. R. 4 *t* Livingston
- Cornwall, H. F. 2 *s* Hartley
- Corry, R. T. 1 *m*  
3703 Willett ave.
- Corsa, H. P. 3 *s* 209 W. 108
- Corsa, M. A. *p* 209 W. 108
- Corser, J. 4 *t* 501 W. 123
- Corton, W. A. 2 *c* 850 Third ave.
- Corts, F. L. 3 *s* 319 W. 134
- Corwin, H. E. 1 *c* 558 W. 113
- Coster, C. G. 1 *s* 64 W. 94
- Coston, L. A. 2 *b* Brooks
- Cotter, C. P. 1 *l* 505 W. 122
- Cotter, L. H. *nm c*  
251 Mill, Poughkeepsie
- Couch, V. F. 4 *m* 330 W. 55
- Coughenour, W. C. 1 *l*  
1105 Amsterdam ave.
- Coulter, C. B. 2 *m* Livingston
- Couner, B. F., Jr. 1 *s*  
106 Barbey, Bklyn.
- Counselman, T. B. 4 *s* 616 W. 113
- Courson, D. A. *ph*  
158-2d ave., Long Island City
- Covello, L. 3 *c* 316 E. 113
- Covey, P. B. 1 *s*  
36 Carroll, Yonkers
- Cox, A. B. *ph* 419 W. 120
- Cox, W. C. 1 *c* 295-15, Bklyn.
- Coykendall, G. B. *nm c*  
520 W. 123
- Coyle, M. B. T. 2 *b* 457 W. 123
- Craig, E. W. 4 *t* 980 Simpson
- Cramer, C. E. 3 *t*  
99 W. 8, Bayonne
- Cramer, M. E. *ph* 3099 Broadway
- Crandall, J. W. 3 *l* 405 W. 118
- Crandall, M. 3 *t* 431 W. 121
- Crandell, H. H. 3 *b*  
855 Marcy ave., Bklyn
- Crane, K. P. *pl* 523 W. 121
- Crawford, R. *ph* Whittier
- Cressey, E. M. 4 *t*  
510 Summer ave., Newark
- Cristy, E. 4 *t* 607 W. 139
- Crittenden, B. P. 2 *s* 608 W. 113
- Crohn, B. B. *p* 76 E. 92
- Cromack, A. P. *p*  
91 Columbia Hts., Bklyn.
- Cronan, F. J. 4 *t* 69 W. 104
- Cropsey, F. B. 4 *t* 237-82, Bklyn.
- Cropsey, M. H. 3 *t*  
237-82 Brooklyn
- Crosby, C. F. 4 *b* 3202 Webster ave.
- Crosby, H. M. 1 *b* 604 W. 146
- Cross, E. W. *ph* 700 Park ave.
- Crossman, H. L. 4 *b*  
105 Clinton ave., Jamaica
- Crouze, A. P. 4 *c* (also) 2 *m*  
Bayside
- Crowe, J. E. *ph* Brooks
- Crumb, H. A. 3 *t* Whittier
- Cuddeback, A. M. *ph* 503 W. 121
- Culler, A. J. *ph* 700 Park ave.
- Culman, F. 2 *c* 476 W. 143
- Cummings, A. R. 2 *s*  
193 Berkeley Pl., Bklyn.
- Cummings, L. C. *f a*  
52 Montgomery Pl., Bklyn.

Cunningham, F. L. 1 l  
 46 Hamilton Pl.  
 Currier, H. J. 3 b 330 W. 28  
 Curry, V. E. 1 c Hartley  
 Curtis, C. D. ph 52 William  
 Curtiss, L. S. ph 529 W. 123  
 Cusack, G. C. 2 b  
 611 Putnam ave., Bklyn.  
 Cutler, C. W., Jr. 2 m 135 W. 76  
 Cutting, V. W. 2 l 550 W. 114  
 Dacey, C. M. ph Whittier  
 Daghlion, G. K. p 554 W. 125  
 Dahler, J. J. f a  
 80 Washington Sq., E.  
 Dahman, W. W. 2 s 540 W. 113  
 Dakin, C. H. 2 b  
 93 Harrison ave., Port Richmond  
 Dakin, W. S. 4 t 530 W. 123  
 Dalgeish, I. L. 1 b  
 9 Spring, Stamford  
 Dall, A. E. 3 t  
 1418 President, Bklyn.  
 Daly, C. A. pl 125 W. 138  
 Daly, E. E. ph 357 E. 50  
 Daly, M. 1 b 541 Lexington ave.  
 Daly, M. R. 3 t Little Neck  
 Damrosch, F., Jr. 3 c 181 W. 75  
 Dana, H. M. 1 b  
 Hudson Ter., N. Tarrytown  
 Dana, M. B. 4 t Whittier  
 Danforth, C. R., 1 c 158 W. 86  
 Daniels, C. W. 4 s 604 W. 114  
 Daniels, M. H. 4 s 35 W. 111  
 Dann, H. M. ph  
 287 Rutland Rd., Bklyn.  
 Darlington, H. V. B. 2 c 48 W. 59  
 Darnton, M. C. ph 202 W. 74  
 Dashiell, J. F. ph 519 W. 122  
 Davidow, L. H. 4 c 55 W. 87  
 Davidowitz, H. S. 3 c 236 Cherry  
 Davidson, G. 4 t 43 W. 129  
 Davidson, L. S. 1 c 4 E. 78  
 Davidson, M. E. S. 3 t  
 91 Liberty Pl., Weehawken  
 Davidson, P. F. 3 t Whittier  
 Davies, H. K. f a  
 287 Lincoln ave., Bklyn.  
 Davimos, H. T. 4 c  
 236 Harrison ave., Harrison  
 Davis, A. pl Whittier  
 Davis, A. G. nm c 141 W. 76  
 Davis, E. B. 700 Park ave.  
 Davis, E. L. ph Whittier  
 Davis, F. R. 2 s 220 W. 107  
 Davis, F. W. 1 l 520 W. 123  
 Davis, H. L. 4 t 226 W. 123

Davis, M. A. 3 t Emerson  
 Davis, M. L. 3 t Whittier  
 Davis, S. C. 1 b Whittier  
 Davis, S. E. p  
 228 Kearny ave., Kearny, N. J.  
 Dawkins, S. M. 3 l 5 W. 125  
 Day, G. A. 3 t Whittier  
 Deacon, E. M. 2 b 502 W. 143  
 Dean, F. 2 l 44 Fifth ave.  
 Dean, H. A. 4 b Brooks  
 Dean, R. C. p  
 de Agüero, M. E., Jr. 2 c  
 294 W. 92  
 Debon, A. J. 3 m 437 W. 59  
 Decker, A. S. 4 t 530 W. 124  
 Decker, S. S. 3 t 519 W. 121  
 De Cou, N. M. ph  
 Dederick, W. M. 1 c  
 11 Erie, Elizabeth  
 Degavre, M. L. 2 c 558 W. 113  
 De Gruchy, O. W. 1 s  
 440 Prospect Pl., Bklyn.  
 Deiches, E. 1 b 1858 Seventh ave.  
 Deiser, N. A. 3 s 201 Keap, Bklyn.  
 de Jongh, A. F. 1 s 95 W. 119  
 de Lagerberg, L. G. f a Hartley  
 Delamater, J. O. 1 l  
 Poughkeepsie  
 de la Peña, E. P. 1 s Livingston  
 Delavena, F. V. 1 l  
 Delehanty, A. M. 2 s  
 193 St. Nicholas ave.  
 Dellenbaugh, F. S., Jr. 4 s  
 224 W. 52  
 De Lima, C. nm s 614 W. 135  
 De Luca, G. B. 1 l 723 E. 218  
 Demarest, I. C. ph  
 54 Essex, Hackensack  
 Demorest, W. J. 2 s 173 W. 93  
 Denike, A. M. 3 b  
 22 Hamilton Ter.  
 Denny, G. G. gr t 417 W. 120  
 De Passe, A. B. 3 m 506 E. 165  
 De Pew, P. H. 2 c  
 De Puy, G. G. 3 t 448 W. 49  
 Derby, J. L. 1 l 15 E. 48  
 De Rosa, E. f a 423 E. 117  
 Deschere, P. R. 3 s 334 W. 58  
 des Granges, D. R. f a Livingston  
 Deshon, E. A. nm b Brooks  
 Dessar, A. G. 1 b 238 W. 72  
 Deutsch, J. 4 t 308 E. 169  
 de Villeneuve, P. 1 s Livingston  
 Devlin, F. B. c 105 W. 43  
 De Walsh, F. C. Port Chester  
 Dewey, E. 3 b  
 130 & St. Nicholas Ter.

- Dewey, E. G. *gr t* 401 W. 117  
 de Wilton, R. L. *4 c* 362 W. 118  
 Diaz, M. D. *2 s* Livingston  
 Dickenson, E. H. *3 s*  
     65 Central Park, W.  
 Dickey, A. V. *3 t*  
     229 Walnut, Montclair  
 Dickey, F. M. *3 t*  
     1230 Amsterdam ave.  
 Dickie, D. P. *1 c*  
     17 Schermerhorn, Bklyn.  
 Dickson, A. *ph* 131 W. 116  
 Dickson, G. W. *4 t*  
 Diehl, M. V. *2 b* 631 Bulls' Ferry  
     Road, W. N. Y., N. J.  
 Dieterich, F. H. *4 m*  
     910 Cauldwell ave.  
 Dilla, H. M. *pl*  
     1046 Amsterdam ave.  
 Dimmick, W. W. *pl* Hartley  
 di Moise, G. B. *4 s* 438 W. 116  
 Dingman, J. C. *3 t* 505 W. 122  
 Dingman, M. A. *4 t* 505 W. 122  
 Dingman, N. McL. *1 c* 505 W. 122  
 Dinkelspiel, L. *1 c* 46 W. 89  
 Disch, A. A. *3 t*  
     350 Bridge, Bklyn.  
 Disman, B. *3 l* Livingston  
 Dismukes, M. D. *4 t* Whittier  
 Di Stasio, J. *1 s* 390 Broome  
 Dittrich, K. *1 l* 321 S. Columbus  
     ave., Mt. Vernon  
 Dodd, F. F. *ph* 610 W. 178  
 Dodd, L. E. *4 t* Whittier  
 Dodge, B. O. *p* 408 W. 115  
 Dodge, M. *2 b*  
     185 Berkeley Pl., Bklyn.  
 Dolan, G. I. *ph*  
     133 Rich ave., Mt. Vernon  
 Dolowitz, A. *3 s* 2 E. 112  
 Donahoe, P. 250 Jay, Bklyn.  
 Donaldson, K. H. *1 s* 304 W. 85  
 Donaldson, L. M. *1 c* 309 W. 85  
 Donaldson, M. E. *ph*  
     50 Morningside  
 Donelson, E. M. *4 t* Whittier  
 Donnelly, I. G. *4 t* 954 Fifth ave.  
 Donnelly, J. E. *4 m*  
     2790 Marion ave.  
 Donovan, E. K. *1 b* 519 W. 123  
 Donovan, J. *2 s* 272 W. 117  
 Doocy, M. E. *3 t* Whittier  
 Doremus, M. B. *4 c* 558 W. 113  
 Dorfmann, D. W. *f a* 69 W. 113  
 Dorning, I. J. *2 b* 124 W. 81  
 Dorr, W. C. *3 c*  
     308 Union, Bklyn.
- Dorsey, E. R. *3 l* Livingston  
 Doty, E. M. *2 b* 553 W. 141  
 Doty, F. *nm t* Whittier  
 Doud, D. *2 l*  
     Helen Court, Morningside ave.  
 Dougherty, E. A. *1 s* 244 W. 20  
 Douglas, I. P. *1 b*  
     815 Marcy ave., Bklyn.  
 Dowd, H. L. *1 m* 231 W. 69  
 Dowling, N. T. *1 l*  
 Downes, E. H. *1 c*  
     34 Gramercy Pk.  
 Downing, G. S. *2 c* 619 W. 113  
 Downs, B. *1 b*  
     75 Fairview ave., Jersey City  
 Downs, M. *3 b*  
     75 Fairview ave., Jersey City  
 Dreisbach, A. G. *f a*  
     19-6, Weehawken  
 Dreisbach, P. W. *1 c*  
     19-6, Weehawken  
 Drew, A. L. *nm c* 519 W. 152  
 Drew, W. S. *gr t* 412 W. 124  
 Dreyfuss, R. *2 s* 201 W. 120  
 Driehaus, I. W. *gr t*  
     1120 Amsterdam ave.  
 Drob, M. *ph* 531 W. 123  
 Druding, M. D. *3 b* 144 W. 104  
 Drury, C. W. *p*  
     110 Madison ave., Elizabeth  
 Dub, G. D. *2 s* 454 E. 141  
 Duboff, W. S. *2 m*  
     646 DeKalb ave., Bklyn.  
 Dubrueil, W. W. *p* 509 W. 122  
 Duck, S. O. L. *2 c*  
     32 Morningside ave.  
 Duffie, A. D. *1 s* Hartley  
 Duncan, A. *3 b* 101 W. 85  
 Duncan, McK. *4 c* 614 W. 113  
 Dunham, H. *3 t* Whittier  
 Dunmore, R. G. *2 l* Livingston  
 Dunn, G. W., Jr. *1 s* 14 W. 131  
 Dunn, W. P. *pl* 700 Park ave.  
 Dunnet, E. V. *3 b*  
     E. 89 & Avenue F, Bklyn.  
 Dunning, H. S. *3 m* 110 E. 18  
 Dupin, E. A. *4 m* 1090 Simpson  
 Durkee, M. M. *1 s*  
     512 Manhattan ave.  
 Durkin, E. L. *1 l* 612 W. 112  
 Dustin, E. G. *3 m* 437 W. 59  
 Duwall, M. M. *4 t* 509 W. 122  
 Dwight, B. H. *1 c* Hartley  
 Dwyer, C. E. *3 s*  
     468 Riverside Driev  
 Dwyer, G. J. *2 c*  
     468 Riverside Drive

Dwyer, H. E. 1 b 764 W. End ave.  
Dye, E. V. 4 c Hartley  
Dye, T. M. 3 l Livingston  
Dyer, M. 4 t Whittier

Eakins, M. St. J. nm t Whittier  
Earl, A. M. gr t 866 W. End ave.  
Early, E. R. 3 l Earl  
Eastman, E. F. ph 700 Park ave.  
Eastman, F. C. ph  
1268 Bergen, Bklyn.

Eastman, W. 2 l Hartley  
Eaton, C. C. gr t 206 W. 39  
Eaton, D. t Whittier  
Eaton, H. D. 3 m Ward's Island  
Eaton, L. F. 3 t Whittier  
Eaton, L. V. 1 b 191 Claremont ave.  
Eaton, M. P. ph 524 W. 123  
Ebeling, W. B. 2 c  
56 Windsor Pl., Bklyn.

Ebneth, T. M. 3 t 233 E. 67  
Eccles, A. K. 4 c 65 W. 48  
Eddison, W. B. 3 s Hartley  
Eddy, E. S. 4 t

19 W. 34, Bayonne  
Edell, A. C. 1 b 164 W. 129  
Edgell, F. D. p 665 E. 12, Bklyn.  
Edmands, S. S. p  
Pratt Institute, Bklyn.

Edmunds, F. D. 1 c 4 Chelsea Sq.  
Edson, E. C. pl 119 E. 19  
Edwards, D. J. p 524 W. 123  
Eelles, I. M. 4 t  
964 Amsterdam ave.

Egan, R. F. ph Whittier  
Egbert, G. P. 3 c 425 W. 146  
Egbert, H. D. 4 s 425 W. 146  
Eggleston, M. K. 4 b  
34 Central ave., Tompkinsville  
Eggleston, J. D. pl

707 N. Broad, Elizabeth  
Eggleston, L. 4 b Brooks  
Eichmann, M. 3 c

370 West, W. Hoboken  
Eilers, H. 1 s 2958 Decatur ave.  
Eimer, C. B. 2 c 30 Irving Pl.  
Eisenberg, H. L. 1 s

600 Riverside Drive  
Eisler, S. 3 m 20 W. 115  
Elder, F. C. 3 s Hartley  
Eldridge, E. A. 4 t Whittier  
Eldridge, G. W. 3 t Whittier  
Eldridge, S. 1 c 18 W. 129  
Elias, H. F. nm c 60 E. 73  
Eliot, S. E. ph 48 W. 12  
Ellenwood, J. L. 1 c 522 W. 123  
Elliott, D. F. 1 l Livingston

Elliott, E. B. gr t  
153 Riverside Drive  
Ellis, E. C. 3 t Whittier  
Ellis, L. M. gr t 507 W. 139  
Ellisson, E. J. 1 b

60 Prospect Pl., Bklyn.  
Elsasser, F. R. 4 c 302 W. 109  
Elsasser, H. W. 2 c 302 W. 109  
Elting, M. ph 139 Lafayette, Bklyn.  
Emerson, H. B. 1 l Livingston  
Emery, J. J. 4 t Whittier  
Emery, M. E. 3 b

36 Avon ave., Newark  
Emmert, J. B. 1 s 500 W. 121  
Emmons, M. 1 b 25 W. 73  
Endera, H. C. p Cooper Union  
Enders, L. 3 t Whittier  
Endicott, G. 2 s 627 W. 115  
Engel, G. 1 c 623 E. 6  
Englander, H. 3 s 270 W. 118  
English, E. 1 b 127 Elm, Yonkers  
Ennis, A. A. p. 453 Convent ave.  
Entelmann, J. H. 2 s  
333 Alexander ave.

Epstein, A. 4 c  
792 Greene ave., Bklyn.  
Epstein, B. 4 c 1072 Second ave.  
Epstein, L. 2 l

792 Greene ave., Bklyn.  
Epstein, L. 3 c 71 E. 108  
Epstein, M. 1 l 150, & Broadway  
Ernst, E. C. 3 m 65 Central Pk., W.

Ernst, M. 1 c 152 W. 122  
Erskine, R. S. 4 c 606 W. 113  
Erwin, E. J. ph Livingston  
Essig, F. T. 1 s Livingston  
Estes, C. E. ph 504 W. 112  
Estrada, S. E. 3 s  
70 Morningside ave., W.

Estrin, H. J. 1 m  
5211 New Utrecht ave., Bklyn.  
Evans, A. B. 2 b 407 W. 145  
Evans, H. W. 2 s 522 W. 123

Evans, M. L. 3 t 501 W. 122  
Evans, P. I. 4 t 519 W. 122  
Evenchick, M. 1 s 216 W. 114  
Everingham, S. 4 m

Everson, A. E. gr t Whittier  
Everson, G. pl Hartley  
Eves, M. gr t Whittier  
Ewing, E. C. ph 414 W. 118  
Ezekiel, J. 4 t 51 W. 81

Faas, C. T. 2 c 501 W. 143  
Fabrega, E. E. 1 s 269 W. 127  
Fairbairn, R. A. 1 c 531 W. 113  
Fairbairn, R. L. 2 c 531 W. 113



- Fairchild, J. W. *pl*  
     72 *Columbia Hts., Bklyn.*  
 Falk, H. C. 4 *m* 708-9th ave.  
 Fancher, E. M. 4 *b*  
     *New Brighton, S. I.*  
 Fancher, K. S. *nm b* *Brooks*  
 Fanning, E. F. *f a* 4 *Convent Hill*  
 Farrington, T. B. 2 *s* 614 W. 113  
 Faulkner, C. S. 1 *m* *Livingston*  
 Faust, G. W. *nm s* 504 W. 112  
 Federman, S. 2 *s*  
     1874 *Cruger ave., Van Nest*  
 Feeley, V. E. 1 *b*  
     586 *City Island ave., City Island*  
 Feinberg, B. G. *p* 500 W. 123  
 Feinberg, M. M. 1 *m* 23 W. 112  
 Feinsod, E. 1 *c* 60 *Eldridge*  
 Felbel, F. J. 3 *c* 280 *Broadway*  
 Felch, E. L. 2 *b* 52 W. 105  
 Feldstein, G. M. 4 *m* 94 E. 7  
 Feleky, A. *nm t* 508 W. 114  
 Fenner, C. N. *p*  
     *Albion Pl., Paterson*  
 Ferguson, J. M. *pl* *Hartley*  
 Ferguson, M. L. 3 *t* *Whittier*  
 Fernandes, A. *nm s* 29 *Broadway*  
 Ferrara, J. 2 *c* 501 W. 121  
 Ferrari, R. A. 3 *l* 327 E. 116  
 Ferreria, A. V. 3 *c* 550 W. 114  
 Ferst, L. S. 4 *c* 61 E. 118  
 Fichandler, A. *pl* 134 E. 101  
 Ficklen, E. L. 4 *t* *Whittier*  
 Field, H. C. 1 *l* *Hartley*  
 Fielding, J. R. 1 *s*  
 Pike, T. R. V. 1 *c* 152 W. 118  
 Findlay, E. H. 1 *s* 175 W. 73  
 Fink, E. H. 4 *t*  
     820 *Washington ave., Bklyn.*  
 Finkelstein, M. 3 *s* 329 E. 20  
 Finlayson, A.  
     *Martha Washington Hotel*  
 Finlayson, F. L. 2 *c* 102 W. 84  
 Finley, C. J. 2 *s*  
     1580 *Amsterdam ave.*  
 Firebaugh, B. H. 4 *b* 667 E. 163  
 Fisbeck, F. C. 3 *t*  
     *Ridgefield Park, N. J.*  
 Fischel, R. V. 2 *b* 118 E. 93  
 Fischel, S. G. *ph* 118 E. 93  
 Fischer, Mrs. C. 3 *t* 505 W. 122  
 Fischer, G. M. 2 *b* 138 E. 150  
 Fischer, M. L. *ph*  
     803 *Lexington ave.*  
 Fish, G. D. 1 *s* 250 W. 104  
 Fisher, A. F. 4 *t* 511 W. 112  
 Fisher, E. E. 2 *c* 514 W. 135  
 Fisher, G. G. *p* 41 E. 70  
 Fisher, H. L. *p*  
     4 *First, Weehawken*  
 Fisher, L. G. 2 *m* 673 *Lenox ave.*  
 Fisk, B. K. 1 *l* *Hartley*  
 Fisk, D. M. 3 *c* *Hartley*  
 Fitz, L. 2 *b* *Brooks*  
 FitzGerald, A. B. 3 *c* *Hilton*  
 Fitzgerald, H. B. 1 *b*  
     69 *Penn, Bklyn.*  
 Fitzpatrick, J. S. *gr t*  
     1022-85 *Bklyn.*  
 Flam, A. 2 *s* 1368-46, *Bklyn.*  
 Flanagan, A. E. *f a* 504 W. 112  
 Fleischer, J. *gr t* 17 E. 116  
 Fleischman, D. E. 1 *b* 303 W. 107  
 Fleischman, L. E. 2 *s* 317 W. 83  
 Fleischman, L. S. 4 *c* 303 W. 107  
 Fleischman, M. R. 4 *t* *Whittier*  
 Fleischmann, A. J. 3 *l* *Livingston*  
 Fleshman, A. C. *gr t* 503 W. 124  
 Fleming, C. O. 4 *b*  
     450 E. 26, *Bklyn.*  
 Fleming, E. J. 1 *b* 537 W. 149  
 Fletcher, A. R. 3 *s* *Livingston*  
 Fletcher, M. B. *gr t* 511 W. 122  
 Flint, E. M. *p* *Hartley*  
 Flint, M. L. 4 *b*  
     17 *Candace ave., Jamaica*  
 Flouton, A. B. 1 *l* *Hartley*  
 Flower, A. R. 2 *c*  
     313 *Gregory ave., Passaic*  
 Flower, C. M. *ph*  
     1018 *Fulton, Bklyn.*  
 Flower, H. J. 1 *l*  
     313 *Gregory ave., Passaic*  
 Flynn, E. L. *ph* 509 W. 140  
 Flynn, Mrs. F. J. *gr t*  
     43 *William, E. Orange*  
 Flynn, M. L. *ph* 509 W. 140  
 Foard, O. G. 2 *f a* *Livingston*  
 Foeller, H. C. E. 3 *s* 334 W. 47  
 Fogarty, J. *f a* 164 W. 126  
 Fogel, W. P., Jr. 3 *s* 413 W. 117  
 Fohs, F. J. *nm s* 420 W. 121  
 Foland, H. A. 1 *b* 511 *Hudson*  
 Fonda, E. F. 4 *t* 140 W. 105  
 Foote, F. W. 1 *s* 826 *Hartley*  
 Forbes, A. B. *ph*  
     74 *Arlington ave., E. Orange*  
 Forbes, E. B. *nm t* *Whittier*  
 Force, J. 2 *c* 505 W. 122  
 Ford, A. J. 1 *s* 505 W. 113  
 Ford, H. H. 4 *t*  
     353 *Main Hackensack*  
 Ford, J. S. 4 *m*  
     48½ *Burnet, Newark*



Ford, R. H. 1 c  
 22 S. B'way, White Plains  
 Forest, K. 4 t 836 Seventh ave.  
 Forsaith, W. F. 3 m 175 E. 62  
 Forssell, A. E. 3 t  
 1276 Castleton ave.,  
 N. Brighton, S. I.  
 Forster, W. W. 2 c  
 Van Cortland P'k ave., Yonkers  
 Fortinash, P. J. 1 l  
 2166 Second ave.  
 Fortney, M. W. 3 t 505 W. 124  
 Fossler, A. K. p 419 W. 117  
 Foster, B. B. gr t Livingston  
 Foster, B. B. 4 t 211 Pearl, Bklyn.  
 Foster, W. E. ph 51 E. 97  
 Foster, W. E., Jr. f a Livingston  
 Foster, W. T. gr t Livingston  
 Fowle, L. R. 700 Park ave.  
 Fowler, R. L., Jr. 1 c 26 W. 10  
 Fox, D. R. 3 c 430 W. 119  
 Fox, E. B. 1 b 452 W. 163  
 Fox, H. R. 4 b 2567 Sedgwick ave.  
 Fox, K. P. nm t  
 90 Morningside ave., W.  
 Frachtenburg, L. J. ph Hartley  
 Fraenkel, O. K. l Lawrence, L. I.  
 Fralick, O. P. 4 t Lynbrook  
 Frambach, F. S. 3 s 430 W. 119  
 Frame, M. S. ph 700 Park ave.  
 Frame, R. M. 3 b  
 27 S. 13 ave., Mt. Vernon  
 Frank, L. K. 2 c  
 1088 Amsterdam ave.  
 Frank, L. Van A. pl  
 261 Henry, Bklyn.  
 Frank, M. 3 c 402 E. 79  
 Frank, M. M. ph 140 W. 93  
 Franke, C. E. ph 552 W. 173  
 Franke, G. M. 4 b Bound Brook  
 Franke, R. 3 s Livingston  
 Frankel, O. K. 2 l Lawrence  
 Franklin, A. M. ph 430 W. 119  
 Franklin, E. 1 b  
 15 Kenmore Pl., Bklyn.  
 Franklin, I. H. 2 m  
 193 Palisade ave., Jersey City  
 Franklin, M. ph 530 W. 124  
 Franklin, M. L. 1 b  
 44 Elmhurst ave., Elmhurst, L. I.  
 Frantz, B. H. 4 t 564 W. 183  
 Franzen-Swedelius, B. ph  
 205 W. 109  
 Fraser, L. 1 c 173 Taylor, Bklyn.  
 Frayser, M. E. 4 t 417 W. 118  
 Frear, Mrs. F. D. 4 t 270 W. 93  
 Frear, I. L. 1 b 270 W. 93

Frederichs, W. 3 s  
 53 Lewis, Tompkinsville, S. I  
 Freeburg, V. O. ph 519 W. 122  
 Freece, H. P. 3 l  
 Freed, S. I. 2 c 133 W. 111  
 Freedman, A. 2 l Livingston  
 Freeman, A. C. 4 m 211 W. 57  
 Frees, H. J. f a 364 E. 156  
 French, C. T. A. 3 l 195 W. 134  
 French, H. T. ph  
 150 Macon, Bklyn.  
 French, L. G. 3 t Whittier  
 French, R. H. 4 t 423 W. 118  
 Frerichs E. V. 2 c 231 W. 115  
 Freud, M. ph 19 W. 91  
 Freundenthal, R. F. 1 b  
 1003 Madison ave.  
 Freundlich, I. nm l 207 E. 68  
 Frew, G. H., Jr. 2 s  
 Palisade, N. J.  
 Friedman, I. 3 c  
 55 Osborn, Bklyn.  
 Friedman, M. 2 s 8-10 E. 107  
 Friedman, W. 1 s 569 Ninth ave.  
 Friedman, W. H. p 172 Rivington  
 Friedson, M. 4 m 274 E. Houston  
 Fries, J. F. 1 c  
 58a Madison, Bklyn.  
 Frink, M. 4 t 503 W. 122  
 Fritts, Ada C. ph  
 35 Salem, Hackensack  
 Frost, E. E. 4 t Kenilworth, N. J.  
 Fruchtman, F. 1 m  
 162 Manger, Bklyn.  
 Frudden, C. E. nm s Hartley  
 Fuchs, H. H. f a 489 E. 141  
 Fueslein, V. A. 3 b 351 E. 77  
 Fuhrman, H. C. 4 m  
 1247 Ocean ave., Bklyn.  
 Fuller, T. E. pl  
 Port Richmond, S. I.  
 Fullerton, H. S., Jr. 1 s Hartley  
 Furman, B. A. 4 m  
 65 S. 10, Newark  
 Furst M. L. 4 t  
 Lowerre Summit P'k, Yonkers  
 Furstenwaldé, H. C. 2 c 65 E. 53  
 Gaddis, C. J. 4 t Elmhurst, L. I.  
 Galvin, W. A. 2 c 503 W. 173  
 Galvin, W. J. 3 c Hartley  
 Gambier, L. M. 4 t  
 351 Lexington ave.  
 Gander, J. J. f a 548 Ninth ave.  
 Gannett, A. J. 3 t 430 W. 119  
 Garabedian, M. D. G. 1 c  
 419 W. 121

- Garber, D. M. 1 s Hartley  
 Garcia, F. J. 1 l 307 Macon, Bklyn.  
 Gardner, F. S. 1 s 464 Greene, Bklyn.  
*Gardner, L. ph 417 W. 120*  
*Gardner, M. L. 4 t pl 419 W. 118*  
 Gardner, W. B. nm t 5 W. 125  
 Garinger, C. H. 1 s The Hague  
*Garlick, E. S. 3 t 34 Paterson ave., Paterson*  
 Garnier, H. K. ph 700 Park ave.  
 Gartlan, E. B. gr t 1253 St. Nicholas ave.  
 Garvey, R. P. 1 l 619 W. 113  
 Garvey, R., Jr. 3 l 619 W. 113  
*Gaston, M. 3 t 17 Mt. ave., Somerville, N. J.*  
 Gatch, N. B. 3 c Hartley  
 Gately, W. A. 3 s 125 E. 54  
 Gates, A. L. ph 421 Manhattan ave.  
*Gath, B. M. 3 t 1230 Amsterdam ave.*  
*Gaughan, S. 3 t Whittier*  
 Gaul, W. H. 1 m Hartley  
 Gay, E. 3 t 205 W. 106  
 Gay, K. 3 b 205 W. 106  
 Gayer, H. W. pl 211 Clinton  
 Geer, O. P. 3 l 246 W. 72  
 Gehlke, C. E. pl Hartley  
 Geiger, G. A. p 43 Gaston, West Orange  
 Geiger, H. R. 2 s 235 W. 102  
*Geigerman, Mrs. C. ph 2790 Broadway*  
 Gelb, S. J. 1 m 9 W. 117  
*Genin, M. J. 4 t Atlantic Highlands*  
 Gerow, A. L. 2 m 265 W. 81  
 Gerstein, R. A. 3 b 130 Manhattan ave., Bklyn.  
 Gerstein, S. R. 1 c 130 Manhattan ave., Bklyn.  
 Gerstle, H. S. 2 c 2109 Broadway  
 Gessford, M. M. Whittier  
 Gibson, L. W. 2 c 60 Vernon Ter., East Orange  
*Gibson, M. J. 3 32 Duer Pl., Weehawken*  
*Gibson, M. L. 4 b 529 W. 123*  
 Gibson, V. R. 2 c 8 Van Sice ave., Yonkers  
 Gibson, W. A. 1 l ph Hartley  
 Giegerich, A. N. A. 2 c 550 W. 114  
 Gienger, W. gr t N. Long Branch, N. J.
- Gifford, W. J. gr t Livingston  
 Gilbert, C. M. 3 t Whittier  
 Gilbert, T. W. 3 t 79 Bloomfield ave., Passaic  
 Gilbertson, H. S. pl Hartley  
 Gildersleeve, J. A. 2 m Livingston  
 Gildersleeve, N. B. 3 c 37 Downing, Bklyn.  
 Giliberti, V. 1 m 45 McDougal  
 Gilleaudeau, G. G. 2 b Hawthorne Park, Mamaroneck  
 Gillingham, A. gr t 417 W. 120  
 Giltner, E. E. gr t 511 W. 139  
 Ginnel, W. S., Jr. ph 54 Maiden Lane  
 Ginsberg, I. 3 c 965 Grant ave.  
*Girdner, P. M. 2 b 47 W. 71*  
 Gitlow, S. 2 m 7 Flushing ave., Astoria  
 Gittings, J. S. pl Hartley  
 Gladstone, J. 1 c 148 E. Broadway  
 Glanton, L. P. gr t Lawrence, L. I.  
 Glass, I. E. 3 t Whittier  
 Glass, M. ph 425 W. 118  
 Glassford, J. nm s 25 Broad  
 Gleason, E. 3 b 239 Decatur, Bklyn.  
 Gleason, H. 3 t Whittier  
 Gleason, J. 3 t Whittier  
 Gleason, M. A. p 607 Fifth ave.  
 Gleason, S. 2 b 239 Decatur, Bklyn.  
 Glenn, I. L. 1 b 135 W. 117  
 Glenn, W. L. 2 l 265 W. 81  
 Gless, M. L. 1 b 574 High, Newark.  
 Glock, A. R. 2 s 533 Eighth ave., Astoria  
 Glover, D. C. 1 l 1047 Fifth ave.  
 Glover, H. M. 3 t 412 Ninth ave.  
 Gluck, E. L. 2 c 1041 Madison ave.  
 Goddard, A. H. 1 l Livingston  
 Goddard, M. F. p Morris High School Annex  
 Goertner, R. pl 921 St. Nicholas ave.  
 Gogin, E. G. pl Whittier  
 Goldberg, H. 1 m 1061 Boston Rd.  
 Goldberg, V. 4 m 2968 Briggs ave.  
 Goldberger, H. H. gr t 217 W. 111  
 Goldberger, M. L. 1 l Hartley  
 Goldblatt, H. M. 3 l 460 Grand  
 Golden, T. 2 s 624 E. 9  
 Goldenberg, I. gr t 476 Decatur  
 Goldenweiser, A. A. ph 1308 Union ave.

Goldman, A. *f a*  
83 St. Nicholas Pl  
Goldman, H. *f a*  
83 St. Nicholas Pl.  
Goldman, H. L. *1 b*  
2439 Creston ave.  
Goldman, J. L. *2 s* Hartley  
Goldman, P. *1 c*  
100 Morningside ave., W.  
Goldman, S. *2 m*  
240a Hart, Bklyn.  
Goldsmith, A. N. *p*  
1163 Washington ave.  
Goldsmith, C. S. *3 t* Hartley  
Goldsmith, E. M. *4 t* Whittier  
Goldsmith, W. M. *2 l* 320 W. 105  
Goldstein, D. *1 s* Hartley  
Goldstein, G. *3 t*  
257 Steuben, Bklyn.  
Goldstein, H. S. *2 c* 106 E. 96  
Goldstein, M. M. *4 s* 158 W. 118  
Goldstein, R. *1 b*  
30 Carlton, East Orange  
Goldstein, S. *4 s* 267 W. 113  
Goldstone, M. C. *3 t*  
1126 Park ave.  
Goldthwaite, R. *nm s*  
772 St. Nicholas ave.  
Goldwasser, D. *gr t* 141 W. 111  
Goll, B. C. *3 t*  
25 Pulaski, Bklyn.  
Gollup, E. M. *3 t* 247 E. 114  
Gómez, R. *1 m*  
Goodfriend, H. *4 m* 243 E. 72  
Goodkind, M. *4 s* 817-819 E. 166  
Goodman, S. L. *4 c*  
218 St. John's Pl., Bklyn.  
Goodnow, D. F. *1 l*  
46 Riverside Drive  
Goodrich, M. F. *gr t* 345 E. 15  
Goodsell, A. G. *4 t*  
15 St. Nicholas Pl.  
Goodsell, J. S. *1 c* 324 W. 72  
Goodwin, E. C. *2 s* 550 W. 114  
Goodwin, E. L. *pl* 415 W. 115  
Goodwin, E. N. *1 l*  
57 Livingston, Bklyn.  
Goodwin, G. M. *3 m*  
360 Richmond Rd.,  
Tompkinsville  
Goodwin, P. L. *f a* 11 W. 54  
Goodwin, W. *2 l*  
128 Central Park, S.  
Goold, L. L. *3 t* 404 W. 124  
Gordon, G. A. *1 l* Livingston  
Gordon, I. *1* 107 E. 123  
Gordon, L. A. *3 t* The Marquette

Gorowitz, B. *3 t* 299 Avenue B.  
Gottesman, M. *1 c*  
112 Gerry, Bklyn.  
Gottlieb, A. *4 m* 4 W. 126  
Gottlieb, S. E. *1 b* Flushing  
Gough, Z. M. *2 b*  
406 S. Columbus ave., Mt. Vernon  
Gould, F. R. *4 t*  
858 Jewett ave., West Brighton  
Govers, V. *nm t*  
18 Centre ave., New Rochelle  
Gowell, P. B. *3 t* 511 W. 122  
Grace, R. V. *3 m* 415 E. 136  
Graham, E. L. *3 b* Brooks  
Granger, I. S. *f a*  
119 Fenimore, Bklyn.  
Grant, W. M. *1 s* 423 W. 118  
Grassi, W. H. H. *1 c*  
28 Edgecombe ave.  
Grattan, J. F. *1 m*  
1210 Tinton ave.  
Graves, G. H. *p* Livingston  
Graves, S. E. *3 t* 419 W. 121  
Gray, E. N. *3 b* Englewood  
Gray, E. P. *1 b*  
409 Fourth, Bklyn.  
Gray, J. W. *3 m* 437 W. 59  
Gray, K. F. *1 b* 48 W. 167  
Gray, W. A. *2 c*  
246 Fourteenth, Bklyn.  
Greacen, J. L. *1 s* 307 W. 33  
Green, F. *ph*  
373 Washington ave., Bklyn.  
Green, G. B. *2 b*  
492 Classon ave., Bklyn.  
Green, H. C. *pl*  
Green, J. C., Jr. *ph* 108 W. 103  
Green, M. C. *3 t* Whittier  
Greenawalt, L. de F. *3 b* Brooks  
Greenbaum, L. S. *1 l* 2 E. 94  
Greenberg, D. S. *nm t*  
21 Harvard ave., Jamaica  
Greenberg, H. *1 c* 68 St. Mark's Pl.  
Greene, F. E. *4 t*  
280 Pavonia ave., Jersey City  
Greene, G. V. V. *1 b* 403 W. 115  
Greene, H. T., Jr. *2 s* 600 W. 133  
Greene, L. A. *pl* Whittier  
Greenebaum, H. M. *3 c* 154 W. 118  
Greenebaum, M. *2 c* 911 Park ave.  
Greenough, W. E. *4 s* 505 W. 122  
Greenslade, W. G. *pl*  
700 Park ave.  
Greenwald, I. *p* 416 E. 58  
Greenwald, M. *nm c* Livingston  
Greenwald, M. S. *2 b* 33 Wall  
Greenwood, D. G. *gr t* Whittier

- Greenwood, G. gr t Whittier  
 Gref, W. H. 2 s 565 W. 113  
 Gregory, A. W. 3 t 1230 Amsterdam ave.  
 Greiff, L. J. 3 b 166 W. 79  
 Grenelle, M. B. 1 b North Paterson  
 Gretsch, H. 1 c 28 W. 97  
 Griesemer, Z. L. 1 m Roselle, N. J.  
 Grieve, R. P. 1 s  
 Griffen, E. B. 4 s 304 W. 90  
 Griffin, A. D. 2 b Cresskill, N. J.  
 Griffin, E. F. 2 l Tarrytown  
 Griffin, H. C. p 226 Hartley  
 Griffin, P. F. 2 l 791 St. Nicholas ave.  
 Griffing, E. E. nm t 322 W. 57  
 Griffith, E. St. J. f a 612 W. 116  
 Griffith, H. gr t Whittier  
 Griffith, J. G. nm c 616 W. 113  
 Griffith, P. L. 1 m 422 Lenox ave.  
 Griffiths, A. B. ph Whittier  
 Grill, A. M. 2 c 305 W. 114  
 Grimes, J. A. p Hartley  
 Grimm, A. J. 1 c Hartley  
 Grinfeld, I. pl Livingston  
 Griscom, A. 1 c 21 Washington Sq., N.  
 Griscom, L. 2 c 21 Washington Sq., N.  
 Groce, E. L. ph Brooks  
 Gross, A. gr t Livingston  
 Gross, H. f a 93 Buffalo ave., Bklyn.  
 Gross, L. M. 2 s Hartley  
 Grossbaum, L. 4 c 847 Hunt's Point ave.  
 Groszmann, W. H. 4 t Plainfield, N. J.  
 Grover, C. S. nm c 3 Adrian ave., Kingsbridge  
 Gruber, A. E. ph 314 W. 92  
 Grunewald, F. L. 1 s 132 Lawrence  
 Grunow, W. R. 1 c Hartley  
 Grzybowski, E. f a 486-4, Bklyn.  
 Guernsey, J. E. ph 423 W. 118  
 Gugler, E. f a Livingston  
 Guibert, J. C. N. nm s 2323 Davidson ave.  
 Guilfoil, P. H. 2 l Livingston  
 Guit  ras, J. G. 3 s 1 Livingston ave., Yonkers  
 Guit  ras, J. R. 3 s 1 Livingston ave., Yonkers  
 Guiterman, K. S. 2 s Livingston  
 Gulliver, H. G. 3 c 952 St. Nicholas ave.  
 Gunther, E. H. 3 t 873 St. Nicholas ave.  
 Gunther, G. P. f a 2080 Marion ave., Bronx  
 Guthorn, S. 4 s 103 E. 123  
 Gutierrez, C. 2 s 308 W. 111  
 Gwiazdowski, A. L. 4 s 408 Madison  
 Haage, M. C. ph 169 Manhattan ave.  
 Haaren, W. F. 2 s 147 W. 122  
 Haarer, M. C. 3 t Whittier  
 Haas, G. C. O. ph 254 W. 136  
 Haber, I. 3 c 718 Angelique, W. Hoboken  
 Hackett, K. 4 t 423 W. 118  
 Hadden, G. 2 s 7 E. 76  
 Hadden, V. B. b 7 E. 76  
 Hadley, R. A. pl 700 Park ave.  
 Hadsell, W. L. pl Port Murray, N. J.  
 Haessler, A. M. 4 t Whittier  
 Haessler, L. ph Whittier  
 Hager, D. nm s Livingston  
 Hahn, I. f a 1242 Madison ave.  
 Haight, H. I. ph 510 W. 135  
 Haines D. W. 1 c 50 Central Park, W.  
 Haines, W. H. 2 s 222 W. 23  
 Haithwaite, C. 3 b 103-79, Bklyn.  
 Hakes, R. J. 3 b 217 Riverside Drive  
 Haldeman, H. W. 2 s 389 West End ave.  
 Halcy, G. M. 4 t 248 W. 129  
 Hale, H. F. 2 b Brooks  
 Hale, J. C. 3 s Livingston  
 Halenbeck, A. E. 1 c 431 W. 117  
 Halfpenny, E. 1 b 333 E. 9, Bklyn.  
 Hall, A. E. 2 s 526 W. 122  
 Hall, B. K. f a Hartley  
 Hall, D. E. 4 t 7 Anderson ave., Port Richmond  
 Hall, E. P. 4 t 90 Morningside ave.  
 Hall, F. 3 m 346 W. 57  
 Hall, G. pl 370 W. 29  
 Hall, H. M. ph 210 E. 17  
 Hall, M. W. ph 202 W. 81  
 Haller, D. A. 1 m 361 W. 57  
 Haller, W. ph Livingston  
 Halliday, E. ph 499 Fourth, Bklyn.  
 Hallock, A. C. 2 b 36 E. 65  
 Halpern, M. pl 27 W. 112  
 Halpern, T. 2 m 1962 Amsterdam ave



Halsted, H. 3 *m* 40 W. 65  
 Hamann, A. M. 4 *s* 540 W. 113  
 Hambidge, G. J. 1 *c* 515 W. 143  
*Hamburger, M. V. 2 b* 151 W. 140  
*Hamburger, N. F. 4 b* 151 W. 140  
 Hamill, R. M. 4 *t* 435 W. 123  
 Hamilton, B. P. 2 *s* 540 W. 113  
 Hamilton, G. L. *ph* 700 Park ave.  
 Hamilton, J. M. *gr t*  
 1105 Amsterdam  
 Hammond, A. B. 4 *t* 63 W. 12  
 Hance, W. *gr t*  
 1771 Madison ave.  
 Hanchett, E. B. 3 *t* Whittier  
 Hand, C. K. 1 *m*  
 218 S. 3d ave. Mt. Vernon  
 Hand, H. I. *gr t*  
 206 Marshall, Elizabeth  
 Handelsman, S. 3 *c*  
 103 Scholes, Bklyn.  
 Handler, N. E. 1 *c*  
 685a Hancock, Bklyn.  
 Handman, M. S. *pl*  
 57 Second ave.  
 Handy, M. 4 *t* 431 W. 121  
 Haner, C., Jr. 3 *s* 147 W. 105  
 Hanigan, H. A. 4 *s* 119 W. 70  
 Hanke, A. G. 2 *s* Livingston  
 Hanley, K. V. *gr t*  
 Rockaway Beach  
 Hanson, D. E. 3 *t* 616 W. 180  
 Hanson, F. K. 3 *t*  
 536 West End ave.  
 Hanson, T. 3 *t*  
 72 Fenimore Rd., Mamaroneck  
 Harada, K. H. *nm t* Whittier  
 Harder, E. H. 3 *s*  
 154 N. 9, Newark  
 Harding, J. P. *f a* Hartley  
 Harding, K. V. 3 *t* Whittier  
 Hardy, E. F. 1 *b* 153 E. 150  
 Hardy, R. G. *pl*  
 157 Willow, Bklyn.  
 Hare, R. I. 3 *l* Livingston  
 Harkey, T. L. *p* 501 W. 121  
 Harlam, E. J. 2 *l*  
 Harper, S. N. *pl* Hartley  
 Harrington, G. A. *gr t* Whittier  
 Harris, E. K. 1 *c* 12 W. 70  
 Harris, E. P. 2 *s* 200 W. 86  
 Harris, F. T. 1 *c*  
 770 St. Nicholas ave.  
 Harris, H. C. *ph* 502 W. 122  
 Harris, L. 3 *t*  
 1105 Amsterdam ave.  
 Harris, L. H. 2 *s* 604 W. 125  
 Harris, N. 1 *b* 254 W. 103

Harris, R. G. 4 *t* 254 W. 103  
 Harris, R. N. 1 *s*  
 228 State, Flushing  
 Harris, R. S. 1 *c* 423 W. 118  
 Harris, T. Le G. *pl* 530 W. 123  
 Harrison, P. G. *p* Hartley  
 Hart, C. C. *t* 601 W. 127  
 Hart, C. R. 4 *t*  
 443 Atlantic, Stamford  
 Hart, E. H. 3 *l*  
 377 Sterling Pl., Bklyn.  
 Hart, J. L. *ph*  
 Hart, M. T. 3 *b* 207 Dyckman  
 Hartig, S. 1 *c* 2474 Eighth ave.  
 Hartman, H. V. *f a* 565 W. 113  
 Hartman, S. F. 2 *l*  
 948 Trinity ave.  
 Hartmann, J. W. *ph*  
 146 Berkeley Pl., Bklyn.  
 Hartshorne, R. 1 *l* Livingston  
 Hartson, L. D. *ph* 147 Avenue B  
 Hartung, E. W. 3 *c* 774 E. 169  
 Hartwig, F. J. *f a*  
 724 Hudson, Hoboken  
 Hartzell, W. H., Jr. 1 *l* 14 W. 60  
 Harvey, E. N. *p* Hartley  
 Harvill, H. J. *ph*  
 102 Hooper, Bklyn.  
 Hasberg, G. S. 1 *b* 3100 Broadway  
 Hasler, E. B. 3 *t* Brooks  
 Hasting, J. *p*  
 732 Albert, Long Island City  
 Hastings, W. H., Jr. 3 *c* 119 E. 86  
 Hathaway, G. B. *pl* 605 W. 115  
 Hattom, I. M. *ph* 700 Park ave.  
 Hatton, M. E. 3 *t* Whittier  
 Hauch, E. F. *ph*  
 58 Morningside, E.  
 Hausmann, E. *p* 234 E. 42  
 Havens, G. 3 *t* 515 W. 111  
 Hawes, R. B. 4 *t* 200 W. 81  
 Hawk, C. B. 3 *t* 510 W. 124  
 Hawkes, J. M. *gr t* Whittier  
 Hawkey, E. M. 1 *b*  
 33 Sussex, Hackensack  
 Haydew, L. F. 1 *s*  
 51 Waller ave., White Plains  
 Hayes, M. E. 4 *t*  
 8 Manhattan ave.  
 Hayes-Davis, J. 4 *s* 530 W. 112  
 Haynes, A. F. *gr t* Whittier  
 Haynes, G. E. *pl* 219 W. 134  
 Haynes, J. L. 2 *s*  
 3216 Glenwood Rd., Bklyn.  
 Hays, J. E. 2 *s* Livingston  
 Hays, L. 3 *c* Livingston  
 Hays, L. St. C. 1 *m* 42 W. 66



- Hazel, F. L. 2 b  
     10 Terrace ave., White Plains  
 Hazeltine, K. S. 4 t      Whittier  
 Hazen, B. E. 3 t      218 W. 114  
 Hazen, M. M. ph  
     201 State, Hackensack  
 Hazzard, L. F. 3 s      Hartley  
 Headley, M. D. pl      144 E. 22  
 Heagey, F. W. 2 m      Livingston  
 Heal, F. A. 4 t      Whittier  
 Healy, F. M. 3 t  
     20 Hampton Pl., Bklyn.  
 Healy, T. F. 4 c      141 W. 90  
 Heard, W. S. 2 c      304 W. 109  
 Hedges, J. S. 2 c      627 W. 115  
 Heidelberger, M. p      38 W. 93  
 Heiden, I. F. 3 b      118 E. 74  
 Heidgerd, H. W. 3 l      142 W. 122  
 Heiles, F. C. 1 s  
     60 New, East Orange  
 Heimann, R. H. nm b 315 W. 105  
 Heimrod, A. A. p      Livingston  
 Heins, W. H. 4 c      Livingston  
 Heller, E. 4 b      21 W. 90  
 Heller, E. M. 2 b      108 W. 75  
 Heller, M. W. 2 s      316 W. 93  
 Hellin, L. ph      9 Columbus ave.  
 Helm, C. F. 3 l      Livingston  
 Helmrich, E. W. ph New Rochelle  
 Henderson, G. 4 b  
     3001 Eastern Bvd., West Chester  
 Henderson, H. G. 2 c  
     Riverside & 116  
 Hendrick, P. E., Jr. 1 c 147 W. 96  
 Hendricks, E. ph      18 E. 80  
 Hendricks, R. 2 b  
     436 Col. ave., Mt. Vernon  
 Hendrickson, N. E. 2 s  
     536 Dean, Bklyn.  
 Hendrie, M. L. gr t  
     Fairfield ave., Stamford  
 Henes, E., Jr. 4 m      128 E. 93  
 Henle, J. H. 2 c      372 W. 120  
 Henning, J. R. pl      540 W. 122  
 Hennion, M. G. ph  
     306 Van Houten, Paterson  
 Hennis, J. R. 2 l      140 E. 28  
 Henricks, W. A. ph      248 E. 105  
 Henry, L. 2 l      Livingston  
 Herbener, H. M. 1 s      Hartley  
 Herbert, L. M. ph  
     346 Rock ave., Bklyn.  
 Herbert, W. D. 1 s      434 W. 22  
 Herbst, M. W. nm t  
     2 Claremont ave., Mt. Vernon  
 Herman, M. M. 3 l      Livingston  
 Hernandez, J. A. 1 s      3 W. 104  
 Herreshoff, A. F. nm b 233 W. 109  
 Herrick, H. T. 4 s      310 W. 95  
 Herring, H. C., Jr. 3 c  
     Circle Rd., Scarsdale  
 Herring, H. M. 2 m      102 W. 123  
 Herrlich, W. L. 1 c  
     3305 Third ave.  
 Herrmann, A. L. 3 b  
     1224 Union ave.  
 Herrmann, H. 3 t      58 E. 124  
 Herrmann, M. T. 4 b      112 E. 65  
 Hershenstein, C. 2 l  
     241 Newark ave., Jersey City  
 Hershenstein, S. 2 l      Livingston  
 Hershfield, B. R. F. 1 b 159 E. 64  
 Herter, A. H. 3 s  
     473 Washington ave., Bklyn.  
 Herts, H. H. 2 l      Rockingham  
 Hertzog, H. S. 3 s      510 W. 146  
 Hertzog, W. S. 1 l      27 W. 44  
 Herz, E. 4 t      222 W. 141  
 Herzfeld, M. G. 3 m      254 W. 131  
 Herzog, D. S. 4 s  
     772 St. Nicholas ave.  
 Hess, A. 3 b  
     878 Lafayette ave., Bklyn.  
 Hess, K. F. 1 s  
     200 Schenectady ave., Bklyn.  
 Hess, M. H. 2 l      24 W. 85  
 Hess, S. I. 1 s      Hartley  
 Hess, W. L. gr t  
     220 Huber, Secaucus, N. J.  
 Hessberg, M. S. 1 b      55 W. 89  
 Hesse, W. H. f a  
     1643 E. 13, Bklyn.  
 Hessey, R. S. 1 b  
     15 Sheperd ave., Bklyn.  
 Hetzel, M. H. ph  
     153 Summer ave., Newark  
 Hetzel, W. B. 1 m      231 W. 69  
 Heuel, E. J. 1 b      144 W. 79  
 Heumann, E. M. 3 s      251 W. 137  
 Heuser, C. F. 2 l  
     1161 Amsterdam ave.  
 Hewetson, J. H. 1 c  
     493 Avenue E, Bayonne  
 Hewin, N. P. gr t      Clermont Ter.  
 Hewitt, J. V. 1 l      Livingston  
 Heydecker, W. D. 3 c      558 W. 113  
 Heyman, M. A. 1 s      245 W. 46  
 Heyward, N. B. 3 m  
     City Hospital, Blackwell's Island  
 Hibbs, D. L. 2 m  
 Hickenlooper, G. f a      Livingston  
 Hicks, B. M. 3 t      Whittier  
 Hicks, C. J., Jr. 1 c  
     9 Ridgeview ave., White Plains

- Hicks, C. S. 3 s Livingston  
Hidalgo, A. 4 t 526 W. 123  
Higgins, F. A. 2 l 415 W. 146  
Higginson, J. J., Jr. ph 16 E. 41  
High, H. G. pl 700 Park ave.  
High, L. S. 2 l 404 W. 124  
Hight, F. C. 4 t 523 W. 121  
Hilbs, H. P. 4 t 417 W. 121  
Hildebrand, M. A. 1 b  
442 Stockholm, Bklyn.  
Hildenbrand, J., Jr. 1 c  
550 W. 114  
Hildreth, W. W. 4 m 219 W. 80  
Hile, G. E. 2 l White Plains  
Hilkey, C. J. pl 373 W. 123  
Hill, A. D. 4 t 537 W. 121  
Hill, A. T. 3 b  
783 Greene ave., Bklyn.  
Hill, D. 3 c 323 W. 87  
Hill, E. N. ph 607 W. 116  
Hill, H. G. 3 t Whittier  
Hill, J. F. 3 m 115 W. 64  
Hill, J. W. 2 c 131 W. 118  
Hill, L. S. 2 c 165 W. 97  
Hill, M. C. 4 t 501 W. 122  
Hill, M. L. nm t 511 W. 122  
Hill, R. R. pl  
1253 Amsterdam ave.  
Hill, W. C. 3 s 558 W. 113  
Hillas, M. M. 1 b  
250 Palisade ave., W. Hoboken  
Hillegas, M. B. gr t 426 W. 124  
Hiller, E. 4 t Whittier  
Hiller, R. H. ph 222 E. 62  
Hills, W. F. gr t 321 W. 116  
Hincken, E. O. pl  
272 Berkeley Pl., Bklyn.  
Hing, P. pl Hartley  
Hinman, E. 4 c  
Riverside & 116  
Hinman, O. M. 3 t Whittier  
Hirsch, C. M. 3 s 445 W. 162  
Hirsch, G. J. 3 l 509 W. 110  
Hirsch, M. M. 1 s 207 W. 110  
Hirschensohn, E. ph  
322 Park ave., Hoboken  
Hirschensohn, N. ph  
322 Park ave., Hoboken  
Hirsh, C. M. f a 53 E. 96  
Hirsh, M. 3 b 25 W. 87  
Hirsh, R. T. 4 s 161 W. 76  
Hirshberg, J. 1 s 141 W. 101  
Hirt, E. L. 2 s  
34 Morsemere Pl., Yonkers  
Hitchcock, K. M. 3 t Whittier  
Hitchings, C. H. 1 b 264 W. 93  
Hitchins, O. E. 1 s Hartley  
Hitomi, J. pl 239 W. 116  
Ho, W. S. nm l 404 W. 146  
Hoag, L. H. f a  
Bronxwood Pk., Williamsbridge  
Hobbs, A. L. 3 m East Orange  
Hochberger, O. 4 c  
472 Central Park, W.  
Hochstein, L. I. 1 c 145 Ludlow  
Hodge, C. M. nm b 316 W. 108  
Hodges, M. L. 2 b 309 W. 101  
Hodgkinson, H. H. 4 s Livingston  
Hodgson, L. J. nm  
Hoermann, M. ph  
1208 Bloomfield, Hoboken  
Hoffman, C. R. 1 s 105 E. 29  
Hoffman, G. L. 3 t  
55 Davis ave., New Rochelle  
Hoffman, H. E. 3 t  
721 Cortelyou Rd., Bklyn.  
Hoffman, J. M. 3 s 105 E. 29  
Hoffman, P. E. 2 b 307 W. 137  
Hoffmann, C. J. 3 t 173 W. 141  
Hoffmeister, J. nm b R. F. D. 1  
Passaic  
Hogan, M. R. 3 t Whittier  
Hoge, A. A. pl 316 W. 56  
Holbrook, C. H. ph 700 Park ave.  
Holbrook, N. 1 s  
795 St. Nicholas ave.  
Holland, E. O. gr t Livingston  
Holland, T. M. pl  
68 Ft. Greene Pl., Bklyn.  
Holliday, H. T. 4 t Whittier  
Hollopeter, S. L. f a Livingston  
Holman, A. J. 3 s  
1364 Teller ave.  
Holman, N. K. ph  
541 Lexington ave.  
Holmes, E. A. p 4 John, Jamaica  
Holmes, H. H. 4 t 419 W. 121  
Holmes, L. D. 2 l 423 W. 118  
Holmes, W. H. 2 s  
168 Cleveland, Bklyn.  
Holton, E. L. gr t 105 E. 22  
Holtzoff, A. 2 l 301 W. 139  
Holzman, B. 4 b 149 W. 122  
Holzman, M. 1 c 460 W. 131  
Holzwasser, F. 3 b  
468 Riverside Dr.  
Hooper, M. L. 3 t Whittier  
Hooper, W. H. 3 t  
174 St. Nicholas ave.  
Hoopes, C. A. 3 l 306 W. 115  
Hopewell, F. I. 4 b  
532 Broadway, Flushing  
Hopewell, S. L. 4 b  
532 Broadway, Flushing

- Hopkins, M. D. *ph*  
     90 *Morningside ave.*, W.  
 Hopkins, P. C. *gr t* Hartley  
 Hopping, A. T. *3 l* 532 W. 114  
 Hopson, D. S. *4 t* Whittier  
 Horiuchi, S. *pl* 64 E. 133  
 Horn, E. *ph*  
     95 *Greenwood ave.*, E. Orange  
 Horn, J. F. *3 m*  
     31 *Orleans*, Newark  
 Horne, E. R. *gr t* Plainfield  
 Horowitz, B. *4 s* 74 E. 114  
 Hotchkiss, R. B. *nm c*  
     337 *Clinton*, Bklyn.  
 Houghton, E. G. *1 b* Brooks  
 Houghton, J. K. *2 l* Livingston  
 Houghton, S. P. *1 c* 404 W. 116  
 House, B. P. *pl* Livingston  
 House, J. W. *3 l* Livingston  
 Houston, A. *pl* 550 W. 114  
 Hover, D. L. C. *4 s*  
     1 *Teasdale Pl.*  
 Howard, C. C., Jr. *1 s* Hartley  
 Howard, E. L. *4 t* Whittier  
 Howe, W. E. *ph* 175 *Ninth ave.*  
 Howenstein, W. M. *1 l* Livingston  
 Howes, L. *ph* 700 *Park ave.*  
 Howes, M. W. *nm t* Whittier  
 Howie, H. B. *4 t* 218 W. 114  
 Howitt, L. R. *fa* Havemeyer  
 Hoyt, R. *4 m* 350 W. 71  
 Hoyt, S. F. *ph* 17 E. 95  
 Hoyt, S. L. *p* 616 W. 113  
 Hsii, S. C. C. *2 s* 519 W. 122  
 Hua, Y. P. *p* Hartley  
 Huang, C. H. *nm c* Livingston  
 Huang, C. S. *3 c* Livingston  
 Hubbard, A. C. *4 t* 515 W. 111  
 Hubbard, E. W. *3 s*  
     1717 *Ditmas ave.*, Bklyn.  
 Hubbard, T. B. *4 m* 128 W. 64  
 Hubbell, C. M. *pl* 416 W. 118  
 Hubbell, J. B. *ph*  
     401 *Manhattan ave.*  
 Hubert, E. S. *1 b*  
     361 *S. Fourth ave.*, Mt. Vernon  
 Huddleston, B. N. *ph*  
     1065 *Boston Rd.*  
 Hudson, C. A. *1 c* 1 E. 76  
 Hudson, S. D. M. *pl* 557 W. 124  
 Huesmann, L. B. *fa*  
     1206 *Garden*, Hoboken  
 Hugdan, J. W. *pl*  
     61 *Quincy*, Bklyn.  
 Hughes, H. H. *ph* Livingston  
 Hull, M. C. *3 t*  
     1105 *Amsterdam ave.*  
 Hull, R. C. *ph* Summit  
 Hülsmann, H. A. *3 l* 610 W. 116  
 Humfeld, N. B. *3 t*  
 Humphrey, E. F. *pl* Livingston  
 Hunaus, P. *nm t* Whittier  
 Hunsdon, E. C. *pl*  
     150 *Elm*, New Rochelle  
 Hunt, C. W. *gr t* Hartley  
 Hunt, R. *2 s* Hartley  
 Hunter, E. M. *nm t* 126 W. 94  
 Hunter, F. Beatrice, *4 t* 66 E. 177  
 Hunter, F. H. *1 s* 103 Waverly Pl.  
 Hunter, G. L. *4 b* 607 W. 116  
 Huntington, A. E. *3 b*  
     Hartsdale  
 Hurwitz, S. T. H. *ph* 217 E. 69  
 Hutchinson, J. H. *gr t*  
     Pocantico Hills, N. Y.  
 Hutteballe, M. M. *3 t* 529 W. 123  
 Hüttlinger, C. F. *2 s*  
     771 *Carroll*, Bklyn.  
 Huvelle, L. C. *nm l* 616 W. 113  
 Huyssoon, M. P. *3 t*  
     686 E. 25 *Paterson*  
 Hyde, J. E. *p* 417 W. 121  
 Hyde, R. W. *1 s* 611 W. 137  
 Hyman, J. C. *3 c* 11 W. 112  
 Hyman, L. L. *fa* Hartley  
 Iaason, A. H. *1 c*  
     729a *Macon*, Bklyn.  
 Ichinose, G. *pl* 41 E. 19  
 Ide, J. J. *fa* 1128 *Madison ave.*  
 Ih'sene O. K. *3 b* 541 W. 124  
 Ili F. A. *4 m* 244 W. 11 Newark  
 Imboden, S. M. *3 t* 511 W. 122  
 Imerblum, A. *1 c*  
     50 *Poningo*, Port Chester  
 Immerman, H. T. *2 s* 155 W. 117  
 Ingalls, F. W. *1 c* 153 W. 80  
 Ingalls, R. C. *2 c* 153 W. 80  
 Ingerman, E. *nm b* 27 E. 95  
 Ingle, J. W., Jr. *fa* 537 W. 149  
 Inglis, A. J. *gr t* Livingston  
 Intemann, A. C. *3 l* 27 *Bank*  
 Iorio, E. F. *1 m*  
     2334 *Pacific*, Bklyn.  
 Ireland, E. W. *gr t*  
     235 *Union*, Hackensack  
 Ireland, I. B. *1 b*  
     48 *Van Sice ave.*, Yonkers  
 Irvin, J. S. *2 m* Hartley  
 Irving, S. *4 t*  
     235 *Eckford*, Bklyn.  
 Isabel, E. C. *1 b* 255 W. 95  
 Isai, K. T. *p* Livingston  
 Isbell, O. C. *2 c* 540 W. 165

Isdell, I. M. 4 t Whittier  
 Iselin, W. O'D. fa 745 Fifth ave.  
 Iseman, P. R. 3 s 115 W. 131  
 Israel, A. H. 1 s 192 Eighth ave.  
 Ives, F. L. 2 s 117 E. 30  
 Ivimey, R. M. 3 b 60 Clinton Pl.  
 Izuni, A. pl 416 W. 118

Jabine, T. 2 s  
 9 Morris Crescent, Yonkers  
 Jabine, W. 3 l  
 9 Morris Crescent, Yonkers  
 Jackson, C. 1 s Hartley  
 Jackson, J. A. 4 m 106 W. 64  
 Jackson, S. L. 2 c 784 Park ave.  
 Jackson, V. 4 b 966 E. 167  
 Jackson, W. M., Jr. 1 s 966 E. 167  
 Jacobs, H. H. 1 s 249 W. 112  
 Jacobs, L. ph  
 28 Second Pl., Bklyn.  
 Jacobs, W. A. 2 l Livingston  
 Jacobson, B. 2 c 1218 Boston Rd.  
 Jacobson, F. I. C. 1 m  
 490 Pacific, Bklyn.  
 Jacobson, H. C. 4 t 500 W. 122  
 Jacobson, S. L. 4 t 602 W. 135  
 Jacques, H. C. 1 c  
 539 Manhattan ave.  
 Jägendorf, M. A. 1 c 160 E. 109  
 Jahelka, R. fa Elmhurst, L. I.  
 Jahn, G. A., Jr. 2 s  
 717 Ocean ave., Bklyn.  
 James, J. S. nm s 501 W. 121  
 James, M. G. 3 t  
 55 Franklin, Bloomfield, N. J.  
 Jansson, C. A. fa 163 E. 37  
 Jaqua, E. J. pl 700 Park ave.  
 Jaques, A. M. fa 228 W. 11  
 Jaques, G. W. 3 l 401 W. 117  
 Jaques, M. V. 4 b  
 70 Morningside ave., W.  
 Jaques, S. 1 c  
 70 Morningside ave., W.  
 Jaros, A. L., Jr. 3 s 542 W. 112  
 Jarrett, B. A. 3 t  
 188 Claremont ave.  
 Jayneo, J. L. fa Hotel Majestic  
 Jeanneret, L. E. 3 s 565 W. 113  
 Jenkins, H. B. 3 s  
 282 Manhattan ave.  
 Jenkins, H. D. pl Whittier  
 Jenner, W. A. gr t 511 W. 122  
 Jennings, C. M. 501 W. 121  
 Jennings, E. A. 2 m 18 W. 84  
 Jessup, W. A. gr t 435 W. 123  
 Jewell, I. E. gr t  
 21 East Radford, Yonkers

Jobe, M. L. pl  
 50 Morningside ave., W.  
 Joerg, A. N. 3 c  
 531 Beech, Richmond Hill  
 Joffé, B. 3 t 530 W. 123  
 Johnson, A. C., Jr. gr t 421 W. 121  
 Johnson, A. L. 3 t Whittier  
 Johnson, E. 4 t 94 Lawrence  
 Johnson, H. 2 l 116 & Riverside  
 Johnson, H., Jr. 2 l  
 575 Dean, Bklyn.  
 Johnson, I. G. 1 b  
 10 S. 14 Ave., Mt. Vernon  
 Johnson, L. E. 3 b 460 W. 152  
 Johnson, L. G. 3 t Whittier  
 Johnson, O. R. 3 t 251 W. 133  
 Johnston, H. R. 1 s  
 1933 Madison ave.  
 Johnston, H. T. 3 c  
 65 Central Park, W.  
 Johnston, I. E. 3 t Whittier  
 Johnston, R. L. 1 s  
 1271 Broadway  
 Jones, E. C. 4 t 416 W. 118  
 Jones, E. L. 1 b  
 2591 Bainbridge ave.  
 Jones, E. L., Jr. p 515 W. 124  
 Jones, E. T. 2 b  
 1 Midland ave., White Plains  
 Jones, H. L. nm l Livingston  
 Jones, J. D. 4 c 881 Third ave.  
 Jones, M. E. 4 t  
 26 W. Kinney, Newark  
 Jones, R. F. ph Livingston  
 Jordan, J. C. ph Hartley  
 Josef, V. p 362 W. 22  
 Josephi, E. ph 321 Riverside Dr.  
 Josephson, W. S. 2 s  
 3136 Broadway  
 Jost, T. A. 1 m  
 237 N. Terrace ave., Mt. Vernon  
 Joveshof, A. 1 s 258 W. 136  
 Jud, F. C. 2 b  
 119 Franklin, Jersey City  
 Judy, N. B. nm t  
 54 Morningside ave.  
 Jui, P. V. Hartley  
 Jung, P. H. 1 s  
 124 Bainbridge, Bklyn.  
 Junghans, B. J. 2 b  
 871 St. Nicholas ave.  
 Justi, K. T. nm t 417 W. 120

Kadison, M. 1 c  
 465 Central Park, W.  
 Kaestner, A. C. 3 s  
 2216 Starling ave.



- Kahn, C. 2 b 411 State, Bklyn.  
 Kahn, J. nm l Livingston  
 Kahn, L. ph 80 E. 116  
 Kain, W. F. 1 l 425 W. 118  
 Kalt, M. J. 1 b 234 Central Park, W.  
 Kamaiky, D. E. 1 c 9 W. 120  
 Kandel, C. 3 s 22 First ave.  
 Kandel, I. L. gr t Livingston  
 Kane, J. I. 4 s 612 W. 116  
 Kanokogi, K. ph 700 Park ave.  
 Kantor, J. L. 2 m 386 E. 143  
 Kaplan, J. 1 c 287 N. 4, Bklyn.  
 Kaplan, M. 1 c 117 Osborn, Bklyn.  
 Karpinski, L. C. gr t 2352 Aqueduct ave.  
 Kätz, E. J. 3 s 249 E. 68  
 Katz, M. 1 b 109 Attorney  
 Katz, S. M. 2 m 1613 Pitkin ave., Bklyn.  
 Katzenberg, S. K. 1 s 879 Freeman  
 Katzenstein, C. J. 3 l 353 W. 119  
 Kaufman, E. R. 1 l Hartley  
 Kawanaka, K. pl 700 Park ave.  
 Kear, C. E. 1 s 540 W. 113  
 Kearney, G. S. 2 s  
 Kearney, L. I. 3 t 223 E. 39  
 Keator, B. 1 s 543 Madison ave.  
 Keator, R. M. 4 s 543 Madison ave.  
 Keeley, E. M. ph 503 W. 122  
 Keenan, I. D. 2 b 70 Third Pl., Bklyn.  
 Keep, A. B. pl Livingston  
 Keil, A. p 61 W. 114  
 Keil, G. 1 c Kyle Inst., Flushing  
 Keil, G. W. 2 m 24 Kress Park, New Rochelle  
 Keller, F. J. gr t 776 N. Oak Dr., Williamsbridge  
 Keller, F. R. 3 s Livingston  
 Kelley, M. F. 1 b 230 S. 2d ave., Mt. Vernon  
 Kelley, M. R. 4 t 419 W. 118  
 Kelley, W. E. 3 l 116 & Seventh ave.  
 Kellogg, A. B. 2 l 2609 Broadway  
 Kellogg, W. H. 1 l 420 W. 118  
 Kelly, E. E. 2 l 1088 Lafayette ave., Bklyn.  
 Kelly, E. G. 1 b 371 Convent ave.  
 Kelly, L. C. 3 l 106 Riverside Dr.  
 Kelsey, Mrs. F. M. nm t 3200 Broadway  
 Kemmer, F. E. 4 t 127 Valentine Lane, Yonkers  
 Kemna, C. 4 t Larchmont  
 Kemp, J. T. 2 c 211 W. 139  
 Kemp, W. C. B. ph Livingston  
 Kempton, E. M. 2 b 9 V. Cortlandt Pk. ave., Yonkers  
 Kempvane, J. C., Jr. 1 c 121 E. 76  
 Kendall, E. C. p Livingston  
 Kendrick B. B. pl 540 W. 113  
 Kennedy, P. 1 l 405 W. 118  
 Kennedy, P. A. 3 t 137 Garfield Pl., Bklyn.  
 Kennedy, R. H. 2 m 549 W. 144  
 Kenney, J. F. pl 500 W. 123  
 Kenyon, E. L. 3 t 110 Cook ave., Elmhurst  
 Kernan, C. W. 3 l Livingston  
 Kerr, E. M. 3 t 503 W. 121  
 Kerr, K. pl 40 W. 11  
 Kessler, G. W. 1 l Livingston  
 Ketchum, F. L. 2 c 667 Teasdale Pl.  
 Ketchum, R. S. 3 c 667 Teasdale Pl.  
 Ketels, L. H. 1 c 249 Belmont ave., Newark  
 Keyes, A. E. gr t 510 W. 50  
 Keyes, H. B. 4 m 998 Amsterdam ave.  
 Keys, H. H. f a Hartley  
 Kiendl, T., Jr. 4 c 540 W. 113  
 Kieran, M. A. 4 t 641 Crotona Park, N.  
 Kilborn, O. W. nm c 316 W. 78  
 Kiler, N. A. pl Whittier  
 Kilroe, E. P. pl Hartley  
 King, E. D. 1 c 483 Seventh ave., Bklyn.  
 King, E. E. ph 184 W. 135  
 King, F. R. f a 20 E. 84  
 King, F. U. pl 540 W. 122  
 King, H. L. p 511 W. 112  
 King, H. W. 3 t Bay Shore, L. I.  
 King, L. A. 4 t 557 W. 124  
 King, L. C. ph 511 W. 112  
 King, R. M. 1 c 34 Greene ave., Bklyn.  
 King, T. E. 2 s 618 W. 113  
 King, V. K. 2 b 28 Chestnut Lane, New Rochelle  
 Kingsley, M. A. p 515 W. 111  
 Kinney, H. D. p Hartley  
 Kinney, M. ph 507 W. 121  
 Kinney, M. 1 c 314 W. 72  
 Kinney, W. 2 c 314 W. 72



- Kinsman, R. E. 3 s 348 W. 87  
 Kirby, R. T. 4 c 54 Morningside Dr., W.  
 Kirby, T. J. gr t Livingston  
 Kirchberger, E. K. ph 186 W. 135  
 Kirchgraber, E. H. 1 s Hartley  
 Kirchwey, D. B. 4 b 908 St. Nicholas ave.  
 Kirchwey, K. W. 2 l 908 St. Nicholas ave.  
 Kirk, D. 3 s Hartley  
 Kirkpatrick, D. D. 1 s 150 E. 49  
 Kirkpatrick, T. B. 4 t Livingston  
 Kirschberg, M. 3 s 25 W. 123  
 Kislovsky, A. D. 2 s 263 W. 112  
 Kissell, M. L. 4 t 507 W. 125  
 Kistler, G. 1 l 616 W. 113  
 Kitahara, Y. pl 700 Park ave.  
 Kivlen, M. D. pl 443 W. 151  
 Klaus, H. K. 2 m 463 Clinton ave., W. Hoboken  
 Kleeberg, G. S. P. pl 3 Riverside Dr.  
 Klein, A. J. pl Livingston  
 Klein, E. 1 c 418-5  
 Klein, L. 4 c 105 W. 136  
 Klein, L. 4 t 57-7  
 Klein, W. M. 1 s 419 W. 145  
 Kleinbaum, E. N. 2 s 57 E. 91  
 Kleinschmidt, W. F. ph 175-9th ave.  
 Klepper, M. R. 3 l Livingston  
 Kline, H. J. p 1593 Madison ave.  
 Klingenstein, J. 3 c 102 E. 79  
 Kloetzer, H. J. 3 t 256 Bedford ave., Mt. Vernon  
 Kloster, W. J. 1 c 215 St. John's Pl.  
 Klugescheid, R. C. 3 c 170 W. 89  
 Knapp, C. W. 2 m 627 W. 115  
 Knapp, R. P. 3 m 161 W. 75  
 Knappe, A. H. f a Ardsley, N. Y.  
 Knight, J. J. 611 W. 112  
 Knight, W. A. 1 m 700 Park ave.  
 Knopf, A. A. 1 c Lawrence, L. I.  
 Knowlton, M. E. ph Whittier  
 Kobbé, F. W. 3 l 142 E. 18  
 Koch, E. H., Jr. p 421 Park Pl., Bklyn.  
 Koch, M. I. 3 t Whittier  
 Koechl, D. R. f a 47 Montgomery Pl., Bklyn.  
 Koehler, B. K. 3 t Rutherford  
 Koenig, E. F. 2 c 28 W. 83  
 Koenig, E. H. 1 s 413 W. 117  
 Koenig, L. 3 c 80 W. 12  
 Kohlbusch, A. H. 1 s 431 W. 117  
 Kolb, A. P. 4 t Whittier  
 Kolhe, E. 4 t 89 Elm, New Rochelle  
 Koller, M. A. 1 s 1646 Amsterdam ave.  
 Konta, G. K. 2 l 450 W. End ave.  
 Koo, V. K. W. pl Hartley  
 Kopeloff, N. 2 c 824 E. 165  
 Korn, H. M. 1 s Elm ave., Hackensack  
 Korn, S. S. 3 c 238 E. 68  
 Koss, I. G. 2 b 628 W. End ave.  
 Koster, J. W. 3 s 115 Locust Hill ave., Yonkers  
 Kozan, G. ph 509 W. End ave.  
 Kozu, L. ph 419 W. 118  
 Kraft, P., Jr. 4 c 919 Ogden ave.  
 Kraus, H. E. 4 t Whittier  
 Kraybill, I. R. pl 557 W. 124  
 Kreiner, L. M. 4 t 224 Broad, Newark  
 Krellenstein, R. 3 t 969 Trinity ave.  
 Kress, J., Jr. nm c New Rochelle  
 Krim, S. S. 2 s 106 W. 143  
 Krinsky, M. L. 4 t 309 Bushwick ave., Bklyn.  
 Krothle, F. W. 1 c 104 E. 57  
 Krolfifer, J. F. nm c 1305 Amsterdam ave.  
 Kroll, C. 1 s 400 Manhattan ave.  
 Kronman, D. E. 2 m 638 Lafayette ave., Bklyn.  
 Kuck, H. E. 3 t  
 Kugel, A. f a 775 Beck  
 Kugler, A. A. 3 b 441 E. 134  
 Kuhn, A. gr t 2730 Broadway  
 Kuhn, S. O. 3 c 2730 Broadway  
 Kunstler, M. B. 1 m 204 W. 136  
 Kunzman, I. 2 c 8 E. 115  
 Kurtz, A. T. 4 t Whittier  
 Kurz, H. ph 214 Eldridge  
 Kurz, J. B. A. 1 s 105 Throop ave., Bklyn.  
 Kutner, M. 2 b 140 W. 113  
 Kutnewsy, E. V. 4 t Whittier  
 Kutscher, F. E. pl 51 E. 61  
 Kuzmier, G. P. 3 s 159 E. 49  
 Kwan, K. 2 s Hartley  
 Kyle, M. J. ph Whittier  
 Lacy, F. T. 3 s 411 W. 115  
 Ladd, M. I. 3 t Claremont ave. & 127  
 La Ganke, F. M. 3 t 431 W. 121  
 Laidler, H. W. pl 236 Halsey, Bklyn.

- Laidman, C. S. *pl* 3153 Broadway  
 LaDow, S. V. *i c* 67 Irving Pl.  
 Laguardia, G. *i s* 263 Pleasant ave.  
 Laise, J. F. *pl* Greenwich, Conn.  
 La Master, B. S. *nm* 353 W. 123  
 Lamb, K. B. *2 s* 360 W. 22  
 Lambert, P. C. *2 b* 606 W. 135  
 Lambert, W. T. *i c* 305 Lafayette ave., Bklyn.  
 Landolt, P. E. *2 s* 375 Sixth, Bklyn.  
 Landru, L. E. *2 b* 135 W. 117  
 Lane, A. M. *4 t* 97 Engle, Englewood  
 Lane, A. P. *i s* 247 W. 103  
 Lane, E. S. *pl* Chelsea Sq.  
 Lane, F. M. *4 t* 283 Highland Bvd., Bklyn.  
 Lang, J. T. *f a* 53 Charlton  
 Lang, L. L. *f a* 501 W. 121  
 Lange, E. C. *4 t* 1230 Amsterdam ave.  
 Langer, W. *1 l* Hartley  
 Langfeld, C. *nm t* Whittier  
 Langford, D. D. L. *1 b*  
 Langford, J. E. *3 t* 34 Spruce, New Rochelle  
 Langford, M. M. *3 t* 87 Hamilton Pl.  
 Langhorne, A. S. *pl*  
 Langley, R. H. *2 s* 511 W. 146  
 Langstaff, B. M. *2 l* 19 Seventh ave., Bklyn.  
 Langworthy, H. T. *3 m* 346 W. 57  
 Lanning, I. M. *3 t* Whittier  
 Lanzit, M. *3 l* 309 W. 113  
 Lapolla, G. M. *4 c* 375 Pleasant ave.  
 La Quay, W. E. *3 t* 19 Almira, Bloomfield  
 Laroque, F. *3 s* 263 W. 112  
 Lasch, J. S. *3 s* 77 E. 109  
 Lasher, D. M. *2 c* 627 W. 115  
 Lashkowitz, B. D. *f a* 7 Rankin, Newark  
 Lassman, B. *1 s* 1248 St. Nicholas ave.  
 Latenser, F. J. *f a* Hartley  
 Latenser, J. *f a* Hartley  
 Latham, A. J. *ph* 417 W. 120  
 Lathrop, E. A. *4 t* 604 W. 125  
 Lathrop, J. E. *1 s*  
 Latimer, E. *3 s* 627 W. 115  
 Latimer, H. R. *3 s* 627 W. 115  
 Latske, F. *1 b* 560 Greene ave., Bklyn.  
 Latske, P. *1 b* 560 Greene ave., Bklyn.  
 Lau, R. F. *ph* G. T. Seminary, Chelsea Sq.  
 Laurent, H. P. *3 s* 151 W. 95  
 Laurier, C. *1 c* Hartley  
 Law, M. F. *ph* 565 W. 187  
 Lawrence, E. E. *4 b* 535 Union ave.  
 Lawrence, E. P. *nm t* 602 W. 125  
 Lawrence, R. *3 c* Hartley  
 Lawsing, G. C. *2 m* 149 W. 61  
 Lawton, D. L. *2 l* 14 E. 60  
 Lawton, E. B. *1 c* 501 W. 50  
 Leach, A. A., Jr. *3 s* 418 Dean, Bklyn.  
 Leary, D., Jr. *4 c* Livingston  
 Leatherman, J. *3 t* Whittier  
 Lebendig, A. *4 m* 3136 Broadway  
 Lebowich, L. *gr t* 616a Willoughby ave., Bklyn.  
 Le Comte, H. *gr t* 213 W. 130  
 Le Count, A. *1 b* 29 Lafayette, New Rochelle  
 Lee, A. G. *nm t* 456 W. 141  
 Lee, E. F. *ph* St. Albans, L. I.  
 Lee, H. M. *nm m* 239 W. 103  
 Lee, M. L. *4 s* Hartley  
 Lee, W. M. *2 c* 248 W. 127  
 Lee, Y. W. *1 c* 319 W. 125  
 Leers, H. *ph* 401 Straight, Paterson  
 Le Fevre, I. J. *3 t* 5 W. 125  
 Le Fevre, I. J. *nm t* Livingston  
 Leff, M. I. *nm c* 531 W. 123  
 Lefferts, A. *1 nm l* 254 W. 74  
 Lefkovich, T. A. *p* 301 E. 10  
 Leggett, A. L. *4 t* 503 W. 124  
 Lehman, E. *gr t* 29 Whitney ave., Elmhurst  
 Leibson, J. J. *ph* 64 W. 115  
 Leiffer, J. H. *1 m* 131 Ogden ave., Jersey City  
 Leiner, J. *1 s* 62 E. 117  
 Leiser, F., Jr. *3 s* 682 Harman, Bklyn.  
 Leiserson, W. M. *ph* 1437 Boston Road  
 Leissner, E. *2 l* 1364 Lexington ave.  
 Leist, S. G. *4 t* Whittier  
 Leland, A. *3 t* 1109 Amsterdam ave.  
 Leland A. P. *gr t* 17 Madison Sq., N.  
 Leland, R. L. *3 t* 1115 Amsterdam ave.

Lemmon, W. G. 4 m 168 W. 47  
 Lent, J. R. 2 c 151 W. 105  
 Leo, E. 3 t 264 W. 139  
 Leonard, C. W. nm t  
     Forrester Pl., Bayonne  
 Leonard, H. C. ph  
     381 Dean, Bklyn.  
 Levensohn, R. ph 843 Jennings  
 Le Quesne, E. F. 1 b Brooks  
 LeRoy, W. I. 4 t Livingston  
 LeSeur, H. H. 1 m 325 W. 58  
 Leslie, A. G. 3 t Whittier  
 Lesser, M. L. 4 c 308 W. 88  
 Leszynsky, L. J. 1 c 307 W. 79  
 Leve, J. A. 1 l 314 W. 94  
 Leveridge, E. S. 1 b  
     277 E. Broadway  
 Levin, L. O. 3 m 22 E. 120  
 Levin, M. 3 t Whittier  
 Levine, L. pl  
     194 New Jersey ave., Bklyn.  
 Levine, M. 2 c  
     865 Myrtle ave., Bklyn.  
 Levine, M. pl 521 W. 134  
 Levine, O. L. 2 l 48 W. 114  
 Levine, S. 1 m 108 Moore, Bklyn  
 Levinson, S. J. 2 c  
     372 Wallabout, Bklyn.  
 Levinthal, I. H. ph 524 W. 122  
 Levison, S. H. 2 s  
     177 Eighth ave., Bklyn.  
 Levkovits, A. 1 s 4 W. 18  
 Levy, A. K. 2 s  
     362 St. Nicholas ave.  
 Levy, A. M. 3 l Livingston  
 Levy, A. S., Jr. 3 l  
     110 Central Park, W.  
 Levy, J. 2 c  
     408 Douglas, Bklyn.  
 Levy, J. J. 1 c  
     709 Bushwick ave., Bklyn.  
 Levy, L. E. 2 s  
     100 Morningside ave. W.  
 Levy, L. M. 2 c  
     1893 Seventh ave.  
 Levy, N. 3 s  
     98 Morningside ave., E.  
 Levy, R. A. 4 b 1340 Madison ave.  
 Levy, S. L. pl 5 Orchard  
 Lewin, L. f a  
     355 Beekman ave.  
 Lewinski, E. H. pl 136 W. 116  
 Lewinson, S. 3 t 238 W. 137  
 Lewis, C. L. nm c 124 E. 81  
 Lewis, E. D. pl 612 W. 115  
 Lewis, F. R. 3 m 346 W. 57  
 Lewis, L. C. 2 c 175 Ninth ave.

Lewis, R. pl Hartley  
 Lewkowitz, S. gr t 80 E. 127  
 Lewontin, E. 1 b 458 Third ave.  
 Liberman, J. M. 1 s  
     1245 Madison ave.  
 Licht, E. A. nm t 436 E. 141  
 Lichtenstein, F. 2 s  
     370 Lafayette ave., Bklyn.  
 Lidbetter, M. 3 t  
     90 Locust Hill ave., Yonkers  
 Lieberman, M. 1 c  
     376 Kosciuszko, Bklyn.  
 Liebermann, L. 1 m 322 E. 77  
 Liebler, H. B. 2 c Hartley  
 Liebman, L. M. 2 m  
     404 St. Nicholas ave.  
 Liebovitz, S. p 31 W. 89  
 Liebowitz, B. 3 s 31 W. 89  
 Liff, J. 1 c 49 E. 102  
 Lifshutz, I. A. 3 s  
     283 Division, Bklyn.  
 Lilienthal, Mrs. G. H. S. ph  
     601 W. 151  
 Lindemann, C., Jr. 2 s  
 Lindsay, F. N. ph 55 W. 83  
 Lindsay, M. K. 4 m 230 W. 101  
 Lindsley, G. f a Hartley  
 Linehan, P. H. p 607 W. 138  
 Lingg, S. C. 1 b  
     303 St. Paul's ave., Tompkinsville  
 Linn, W. H. 1 l Livingston  
 Lipari, A. 2 c 83 W. 115  
 Lipari, A. F. 1 s 83 W. 115  
 Lipman, I. nm c  
     505 Avenue C, Bayonne  
 Lippmann, H. M. f a 60 E. 91  
 Lipstate, W. A. 4 s Hartley  
 Liss, I. E. 2 m 202 Fulton ave.  
 Littlefield, A. 4 t Whittier  
 Liu, C. Y. 3 s Hartley  
 Livengood, L. M. 2 l 521 W. 123  
 Livingston, Mrs. A. A. ph  
     111 Manhattan  
 Livingston, J. D., Jr. 1 s 36 W. 11  
 Livingston, L. M. 2 l 530 W. 123  
 Lloyd, L. 2 c 151 W. 22  
 Loag, M. A. L. 3 t Whittier  
 Lobeck, A. K. 3 c Haworth, N. J.  
 Lobsenz, H. L. 2 c 338 E. 51  
 Lockwood, L. 1 s 618 Fifth ave.  
 Lockwood, P. 1 b 550 Park ave.  
 Loebenstein, J. 2 s 67 E. 84  
 Loehrsen, A. 4 b 2133 Third ave.  
 Loening, G. C. 3 s 48 W. 59  
 Loftus, J. J. ph 530-74, Bklyn.  
 Logan, A. L. 4 t Whittier  
 Loggins, J. A. 1 m

- Lombard, L. A. 4 t Bronxville  
 Lommel, G. L. 3 s 502 Man. ave.  
 London, E. 1 b 24 E. 120  
 London, I. E. 2 b 64 W. 115  
 Long, D. 4 b Brooks  
 Long, S. B. pl 700 Park ave.  
 Long, E. O. p 171 E. 83  
 Long, W. B. 4 m 144 W. 65  
 Longenecker, A. B. 3 t 565 Ninth, Bklyn.  
 Lopez, E. A. 2 m  
 Lord, J. W. 3 s 163 E. 71  
 Lordly, L. C. 2 s 431 W. 117  
 Loud, A. C. f a Livingston  
 Loughren, A. 1 b 337 Marshall, Elizabeth  
 Love, A. J. 4 m 3440 Broadway  
 Love, G. S. 2 l Livingston  
 Love, M. E. 4 t Whittier  
 Lovejoy, J. M. 3 s 608 W. 113  
 Lovell, G. G. 3 b 202 W. 82  
 Loveman, M. H., Jr. 210 W. 139  
 Low, J. F. 1 s 54 Quinn, Stapleton, N. Y.  
 Lowe, D. V. 3 s 523 W. 113  
 Lowens, H. 1 m 357-2nd ave.  
 Lowenstein, A. G. 2 c 237 E. 25  
 Lowenthal, E. pl Brooks  
 Lowrey, M. L. 4 t 155 Riverside Drive  
 Lowrey, R. pl 155 Riverside Dr.  
 Lowrie, J. M. 1 l Hartley  
 Lowry, E. A. 3 t Whittier  
 Lowther, Mrs. F. deL. 1 b 470 W. 146  
 Lubarsky, D. A. 1 m 50 E. 103  
 Ludington, A. C. pl 276 Madison ave.  
 Ludlow, H. J. 1 b Brooks  
 Ludwig, A. gr t 227 N. Henry, Bklyn.  
 Ludwig, A. gr t 528 N. 139  
 Luhman, C. 1 c New Rochelle  
 Lührs, I. 1 l 153 North, Jersey City  
 Lunn, R., Jr. 1 c 66 Brinkerhoff, Jersey City  
 Lupold, H. S. 4 t 123 W. 123  
 Luth, E. H. pl 54 W. 105  
 Luther, E. M. ph 417 W. 121  
 Lustgarten, A. 2 b 528 W. 125  
 Lustig, E. 1 s 218 W. 137  
 Lyle, G. gr t 20 W. 99  
 Lynas, A. O. nm s 501 W. 122  
 Lynch, A. V., Jr. Livingston  
 Lynch, J. J. 4 c 320 Fifth, Bklyn.  
 Lynch, K. D. 3 m  
 Lyon, L. G. ph 41 Hamilton ave., New Brighton  
 Lyon, W. 2 s  
 McAlpin, K. R. 4 m 231 W. 69  
 McArdle, W. H. 2 s Hartley  
 McBurney, M. 4 m 38 E. 31  
 McCanliss, L. E. 3 l Livingston  
 McCann, E. Owen, 2 s 67 Quincy, Bklyn.  
 McCann, M. D. 4 b 69 Ashford, Bklyn.  
 McCarty, M. M. 4 t Whittier  
 McCarty, S. A. gr t 847 Carteret ave., Trenton  
 McChesney, John ph Livingston  
 McChesney, P. E. 3 m Greenwich, Conn.  
 McChristie, J. C. 2 l 1058 Cauldwell ave.  
 McClane, M. 3 t 430 W. 119  
 McClelland, C. P. pl 146 W. 64  
 McClelland, G. F. 2 s 515 W. 111  
 McClelland, G. H. pl 319 S. 5 Bklyn.  
 McClelland, M. J. 4 t Dobbs Ferry  
 McClenaghan, M. A. 4 t Whittier  
 McClure, H. 3 t 741 E. 176  
 McConnell, L. G. 4 c 304 W. 109  
 McConnell, R. E. 4 s 616 W. 113  
 McCook, J. F. 1 s 156 Barbey, Bklyn.  
 McCormick, J. K. 1 c 237 E. 48  
 McCormick, J. W. 3 l Livingston  
 McCormick, M. E. 4 t 274 W. 140  
 McCoun, F. H., Jr. 2 l 39 W. 84  
 McCourt, J. A. 1 m 154 Hull, Bklyn.  
 McCracken, R. F. p 927 Tremont ave.  
 McCreery, J. A. 4 m 350 Lexington ave.  
 McCrorken, E. P. 3 s 135 W. 92  
 McCrorken, J. J. 2 m 135 W. 92  
 McCune, M. M. 1 s Waldorf Astoria  
 McCurdy, U. F. 2 m 437 W. 59  
 McDonald, A. L. 3 t Whittier  
 McDonnell, M. A. ph 8 Lockwood ave., New Rochelle  
 McDowell, F. ph 531 W. 122  
 McElroy, M. A. ph 530 W. 122  
 McElvare, G. G. 1 c 231 Decatur, Bklyn.  
 McGill, N. W. 3 l Livingston  
 McGinley, J. J. 2 s 71 Bedford



- McGinness, F. V. 3 s  
98 Decatur, Bklyn.
- McGivney, V. T. 1 b 334 W. 56
- McGorem, R. A. 3 s 122 W. 77
- McGowin, M. O. 4 t 501 W. 123
- McGown, D. 1 s Livingston
- McGrath, J. 3 b 501 W. 121
- McIlroy, A. A. 3 t 407 E. 142
- McIlroy, S. H. 4 t  
64 Van Ness Pl., Newark
- McIver, F. F., Jr. 2 s  
334 Fifth ave.
- McKanna, 4 s 523 W. 113
- McKean, R. C. nm s  
1234 Garden, Hoboken
- McKee, B. H. 1 l 49 W. 72
- McKee, G. I. 1 b Brooks
- McKee, W. ph 616 W. 116
- McKeever, E. J. 3 b 17 Bank
- McKellar, R. S. 1 l 210 W. 57
- McKenna, E. L. 1 c  
235 McDonough, Bklyn.
- McKenna, M. C. 4 t  
Nurses Home, Bellevue Hosp.
- McKenzie, I. 2 b  
67 Lenox ave., E. Orange
- McKeown, M. J. 4 t  
762 West End ave.
- McKeown, S. A. 3 s  
762 West End ave.
- McKinlay, C. M. 3 m  
Tenafly, N. J.
- McKnight, E. M. 3 t 517 W. 113
- McKone, C. W. p Livingston
- McLanahan, E. C. nm b 152 W. 80
- McLane, F. M. pl 229 W. 126
- McLaughlin, C. F. 3 l Hartley
- McLaughlin, M. G. 4 t Whittier
- McLaughlin, P. gr t 2040-7th ave.
- McLaughlin, W. 1 s  
393 West End ave.
- McLaurin, D. ph  
108 Franklin ave., Mt. Vernon
- McLaury, C. H. ph 501 W. 121
- McLeod, R. H. 2 s  
118 Park Pl., Passaic
- McLeon, E. H. 2 m Livingston
- McLochlin, G. G. 2 s 323 W. 89
- McLoughlin, F. O. X. 2 s  
770 St. Nicholas ave.
- McLoughlin, W. G. 2 l  
558 Jersey ave., Jersey City
- McMahon, D. F. 1 l 363 W. 55
- McOatchy, C. K. 1 c 531 W. 113
- McVey, F. M. 3 t Whittier
- McWilliams, N. B. 1 m  
P. & S. Club, 57
- Maas, L. W. 2 s 260 W. 99
- Maby, A. C. 3 t
- Macavoy, C. H. ph  
188 Claremont ave.
- MacColl, R. J. 4 c 514 W. 114
- MacColl, R. J. 2 c 502 W. 113
- MacCoull, N. 1 s 537 W. 121
- MacCrate, J. nm c  
104 Noble, Bklyn.
- MacDermott, A. A. ph  
16 Lafayette ave., Bklyn.
- MacDermott, S. S. 2 s 323 W. 84
- MacDonald, B. N. 1 b  
133 Richmond ave., Port Richmond
- MacDonald, L. A. 2 b  
586 Summer ave., Newark
- MacDonald, M. D. 2135-7th ave.
- Macdougall, E. 4 t  
117 Wadsworth ave.
- MacGuire, C. J., Jr. 3 m 120 E. 60
- Mack, L. M. gr t Whittier
- MacKay, J. K. 2 b  
Carlson House, Inwood on Hudson
- Mackenzie, E. H. 2 c 604 W. 114
- Mackenzie, G. M. 1 m 109 W. 84
- Mackenzie, R. 1 c 604 W. 114
- Mackey, R. J. 2 c  
245 Summit ave., Jersey City
- Mackintosh, J. H. 3 c Hartley
- MacLachlan, C. F. ph  
2040 Seventh ave.
- MacLagan, F. nm t  
109 Lafayette ave., Passaic
- MacLean, D. C. p 31 W. 129
- MacLean, G. 1 s  
110 Jaggar ave., Flushing
- MacLear, M. gr t 531 W. 124
- Macmahon, A. W. 2 c Rutherford
- MacMurray, C. F. 4 b  
South Nyack, N. Y.
- Macpherson, E. C. 3 t Whittier
- MacPherson, G. W. 1 m 249 W. 11
- MacRossie, W. 1 c  
1981 Madison ave.
- Madison, E. G. ph Brooks
- Maffucci, M. 3 m Hotel Avon
- Magary, C. J. nm l Livingston
- Magee, L. L. 4 t  
992 Woody Crest ave.
- Magid, A. 1 b 1330 Bristow
- Maguire, C. F. 3 c 118 W. 84
- Mahler, A. B. 3 t  
1970 Hughes ave.
- Mahler, C. H. 1 s 35 W. 96
- Mahon, D. H. 3 b 229 W. 138
- Mahon, R. V. 4 c 229 W. 138
- Mailhouse, G. L. 3 t 565 W. 183



- Maison, E. N.* 3 *b* *Rutherford*  
*Malcomson, M. D.* 4 *s* *Orange*  
*Maller, J.* 4 *s* 604 *Union ave.*  
*Mallory, P. R.* 2 *l*  
 128 *Columbia Heights, Bklyn.*  
*Mallory, V. S.* 1 *c*  
 1 *Mt. Morris Park, W.*  
*Malmquist, E. A.* 2 *s*  
 432 *Hopkins ave., Astoria*  
*Maloney, A. H.* *ph*  
*Maloy, J. P.* 1 *s*  
 45 *Henderson ave., S. I.*  
*Maliby, L. H.* 3 *t*  
*Mampel, C. J.* 1 *s* 211 *W. 107*  
*Manchester, M. I.* 4 *t* *Whittier*  
*Mancusi-Ungaro, M. E.* 2 *s*  
 86 *Mt. Prospect ave., Newark*  
*Mandell, S. B.* 1 *s* 132 *E. 82*  
*Manful, H.* 3 *t* 500 *W. 123*  
*Manheimer, W. A.* *p* 505 *W. 135*  
*Manheims, P. J.* 2 *m* 154 *W. 129*  
*Mann, C. F.* 3 *t*  
 12 *Adams, Mt. Vernon*  
*Mann, J.* 1 *c* 1302-67, *Bklyn.*  
*Mann, J. H.* 4 *t* *Whittier*  
*Manning, C. A.* 1 *c* 144 *E. 74*  
*Mansfield, M. I.* *nm t*  
*Providence, R. I.*  
*Mapes, C. D.* 3 *s* 531 *W. 113*  
*Mapes, L. R.* 1 *s*  
*Spring Valley, N. Y.*  
*Marchmont, J. H.* 2 *c* *Hartley*  
*Marcus, B.* 2 *c*  
 315 *Riverside Drive*  
*Marcus, C. L.* 2 *l*  
 315 *Riverside Drive*  
*Marcus, S.* 1 *c*  
 525 *Watkins, Bklyn.*  
*Marcy, S. E.* *nm t* 503 *W. 121*  
*Marder, J. D.* 4 *s* 222 *W. 122*  
*Maresi, P. M.* *fa*  
 146 *Columbia Hts.*  
*Margolis, L.* 2 *s* 1407 *Fifth ave.*  
*Margoshes, S.* *ph*  
 284 *S. Second, Bklyn.*  
*Margowitz, D.* 3 *c* 34 *W. 112*  
*Marion, A. H.* *pl* 150 *Fifth ave.*  
*Marion, P.* 1 *c* 12 *E. 39, Bayonne*  
*Markewich, I. S.* *gr t* 507 *W. 170*  
*Markley, B. M.* *ph* 52 *W. 94*  
*Markley, E. H.* *pl* 52 *W. 94*  
*Marks, L. E.* 4 *t* 172 *Forsyth*  
*Marley, R. J.* 1 *b* *Brooks*  
*Marquardt, E.* 2 *s* 974 *First ave.*  
*Marsh, A. G.* 4 *s* 558 *W. 113*  
*Marsh, H. W.* 2 *c*  
 392 *Washington Sq.*
- Marshall, G. M.* 3 *c* *Elmhurst, L. I.*  
*Marshall, J. A.* 3 *t* *Whittier*  
*Martin, A. C.* 2 *b*  
 43 *Astor Pl., Jersey City*  
*Martin, A. K.* 2 *c* *Livingston*  
*Martin, A. L.* 3 *b*  
*Amberson ave., VanCortlandt Ter.*  
*Martin, C. H.* 1 *b* 524 *W. 124*  
*Martin, D. M.* 3 *l* 44 *W. 40*  
*Martin, E. M.* 3 *b*  
 165 *Kearny ave., Perth Amboy*  
*Martin, F. J.* 3 *t* *Stamford, Conn.*  
*Martin, H.* *ph* 794 *E. 169*  
*Martin, J. T.* 85 *Riverside Dr.*  
*Marum, M. G.* 3 *s*  
 54 *Hillside ave., W. Orange*  
*Marvin, H. H.* *p* 503 *W. 122*  
*Marwick, R. H.* 4 *s*  
 2340 *Seventh ave.*  
*Marx, A. M.* 3 *t* *Whittier*  
*Marx, R. M.* 1 *s* 253 *W. 95*  
*Maschmedt, M. R.* 3 *b*  
 62 *Orchard, Astoria, L. I.*  
*Mason, J. B.* 3 *t* *Whittier*  
*Mathes, F. P.* 4 *t* 166 *W. 129*  
*Mathews, E. A.* 2 *b*  
 2333 *Washington ave.*  
*Mathewson, C. A.* *p* 525 *W. 182*  
*Matienzo, C. de* 3 *t* 430 *W. 122*  
*Matt, C. D.* *ph* 531 *W. 123*  
*Mau, L. E.* *nm t* 419 *W. 118*  
*Maughan, E. C.* 3 *t* 529 *W. 123*  
*Maul, W. F.* *nm* 239 *W. 105*  
*Maurer, G. L.* 2 *c* 619 *W. 113*  
*Maurer, H. B.* *fa*  
*Hempstead, N. Y.*  
*Maurice, S.* 2 *c* *Mamaroneck*  
*Maxwell, C. L.* 1 *b* 723 *W. 177*  
*Mayer, E.* 1 *m*  
 263 *Alexander ave.*  
*Mayer, E. S.* 3 *t* 423 *W. 118*  
*Mayer, M.* 2 *c* 234 *E. 71*  
*Mayer, T.* 3 *b* 41 *E. 72*  
*Mayer, T.* 3 *t*  
 853 *St. Nicholas ave.*  
*Mayers, L.* 3 *t* 1 *E. 106*  
*Maynard, E. L.* 3 *t* *Whittier*  
*Maynard, J. H.* 2 *c* *Hartley*  
*Maynz, T.* 2 *s* 981 *Madison ave.*  
*Mead, A. R.* *gr t*  
 421 *Manhattan ave.*  
*Meadows, E.* 3 *t*  
 1230 *Amsterdam ave.*  
*Medina, H. R.* 1 *l*  
 273 *Jefferson ave., Bklyn.*

Megrew, G. 2 l  
 Mehler, E. S. 3 b  
 619 West End ave.  
 Mei, H. C. 2 c 457 W. 123  
 Meier, G. E. 3 b  
 2263 Aqueduct ave.  
 Meikle, A. M. pl 700 Park ave.  
 Meisel, C. J. W. 2 c 458 W. 142  
 Meissner, C. E. 1 s 304 W. 109  
 Melane, Tom S. 1 m  
 Melitzer, E. B. 1 s  
 246 Rivington  
 Melitzer, S. 3 s 246 Rivington  
 Mellen, H. L. 4 c Hartley  
 Melsha, J. C. 1 b  
 72 Greene ave., Bklyn.  
 Melville, N. J. gr t  
 247 Arlington ave., Bklyn.  
 Melvin, H. M. 3 t  
 29 S. Broadway, Yonkers  
 Mendelsohn, A. 3 s 611 W. 114  
 Mendelson, A. 2 m 18 E. 113  
 Menefee, A. B. 4 s 530 W. 112  
 Merchant, E. O. pl 503 W. 122  
 Merlis, I. 4 s 3 Rutgers  
 Merrell, C. F. 1 l 308-9 Livingston  
 Merrett, Mrs. C. C. ph Brooks  
 Merriss, M. H. 4 s  
 346 Stuyvesant ave., Bklyn.  
 Mesick, H. I. fa Hartley  
 Messenger, H. A. p 518 W. 143  
 Messenger, R. E. ph 518 W. 143  
 Messenger, W. J. 4 t Whittier  
 Messer, W. S. ph Livingston  
 Messing, M. K. 1 b  
 113 Broad, Stapleton, S. I.  
 Meyer, A. H. 3 c 316 W. 116  
 Meyer, C. H. 1 c 139 W. 86  
 Meyer, E. G. 3 s 108 W. 124  
 Mez, A. nm l  
 Michael, G. W. ph  
 90 Woolsey, Astoria  
 Michael, J. 1 l Hartley  
 Michalson, K. M. 4 t 501 W. 123  
 Mickle, M. T. pl  
 181 Claremont ave.  
 Mickle, R. W. 4 t Whittier  
 Michtom, J. S. 3 c  
 190 Riverdale ave., Bklyn.  
 Middleton, F. 4 t  
 366 St. Nicholas ave.  
 Miles, D. H. ph  
 1120 Amsterdam ave.  
 Milholland, W. H. 3 l Livingston  
 Milkman, W. B. 2 l  
 244 Garfield Pl., Bklyn.  
 Miller, A. I. ph Whittier

Miller, A. P. 3 t  
 Miller, Clara G. 3 t 605 W. 112  
 Miller, E. 3 t 34 W. 25  
 Miller, F. 2 s 604 W. 114  
 Miller, H. R. 3 m  
 446 Willoughby ave., Bklyn.  
 Miller, H. W. 1 c  
 1014 Castleton ave.,  
 West New Brighton  
 Miller, I. 3 t 253 Madison  
 Miller, J. 4 t Whittier  
 Miller, J. W. 4 t 314 W. 104  
 Miller, L. B. 246 Central Park W.  
 Miller, M. 4 t 545 W. 129  
 Miller, R. C. 2 s 413 W. 117  
 Miller, S. G. 3 t 531 W. 124  
 Miller, W. R. 2 s Livingston  
 Millikin, B. E. 4 t Livingston  
 Milliken, E. N. gr t 528 W. 123  
 Mills, M. A., Jr. 3 l Hartley  
 Minahan, Mrs. M. E. 4 t  
 1230 Amsterdam ave.  
 Mineovini, V. 1 m 247 E. 115  
 Minor, J. H. 1 c 550 W. 114  
 Miner, R. W. p 403 W. 115  
 Minor, S. B. 2 b 417 W. 128  
 Minsky, H. 2 c 93 Second ave.  
 Misch, A. I. 2 b 1234 Boston Rd.  
 Mitchell, C. G. 3 s Hartley  
 Mitchell, E. H. 3 t Whittier  
 Mitchell, I. T. 4 t Whittier  
 Mitchell, J. P. ph 414 W. 118  
 Mitchell, M. K. 4 t 417 W. 121  
 Mixsell, H. R. 4 m 350 W. 71  
 Mock, F. C. 1 s 647 E. 29, Bklyn.  
 Moffett, H. C. 2 s Hartley  
 Mohr, W. R. 1 c 530 W. 142  
 Moitrier, W., Jr. 4 c  
 454 Putnam ave., Bklyn.  
 Moitrier, W., Jr. 1 m  
 454 Putnam ave., Bklyn.  
 Mollenhauer, V. M. 4 b  
 2178 Grand ave.  
 Mombert, A. T. 3 t  
 313 Fifteenth ave., Paterson  
 Monteser, M. J. 4 t  
 605 Van Cortlandt Pk. ave.,  
 Yonkers  
 Montgomery, B. W. pl Whittier  
 Montgomery, E. A. M. 3 t Whittier  
 Montgomery, G. L. 3 s 352 W. 117  
 Montgomery, S. L. 4 t 503 W. 121  
 Mook, C. C. nm c  
 Metuchen, N. J.  
 Moon, A. T. 3 t Whittier  
 Moon, E. A. p  
 436 Manhattan ave.

- Moon, P. L. 1 c  
     68 Cornell ave., Yonkers  
 Moore, A. E. 4 t 420 W. 118  
 Moore, A. P. 2 c  
     135 Franklin, Astoria  
 Moore, C. A. 1 c  
     220 Washington, Binghamton  
 Moore, D. M. 1 s Hartley  
 Moore, F. W. 4 m  
     408a Clinton, Bklyn.  
 Moore, J. I., Jr. 2 s  
     1787 Undercliff ave.  
 Moore, L. G. 3 t 419 W. 121  
 Moore, P. N. 4 s Hartley  
 Moravski, M. A. S. ph 136 W. 46  
 Mordaunt, E. J. f a 313 W. 104  
 Mordecai, E. C. 3 b 319 W. 105  
 Mordecai, L. M. 2 b 319 W. 105  
 Morelock, O. J. gr t  
     338 Central ave., E. Orange  
 Moremen, M. L. 3 l Livingston  
 Morgan, C. E. ph  
     1173 Bushwick ave., Bklyn.  
 Morgan, E. gr t  
     24 State, Newark  
 Morgan, T. C. 3 s  
     1173 Bushwick ave., Bklyn.  
 Morgenstern, A. F. sp b 45 W. 88  
 Morrey, W. T. pl 535 W. 111  
 Morrill, A. H. 1 s 205 W. 109  
 Morris, A. B. 4 c  
     169 Warren, Bklyn.  
 Morris, E. M. 2 b 396 E. 171  
 Morris, E. S. 4 t  
     Piermont-on-Hudson  
 Morris, F. K. p  
     485 Central Park, W.  
 Morris, G. E. 1 b 396 E. 171  
 Morris, G. W. 2 l Livingston  
 Morris, H. A. 3 t  
     99 W. Eighth, Bayonne  
 Morris, M. F. 4 t 160 E. 91  
 Morris, M. J. p  
     485 Central Park, W.  
 Morrissey, L. I. 3 t Whittier  
 Morrison, C. E. 3 t South Orange  
 Morrison, I. D. 2 b 309 W. 86  
 Morriss, A. D. 2 s 612 W. 116  
 Morrissey, A. I. 4 t 171 E. 69  
 Morrow, E. E. gr t 500 W. 121  
 Morrow, H. M. 3 t 419 W. 121  
 Morrow, R. L. 3 s 66 W. 40  
 Morse, H. N. pl 700 Park ave.  
 Morse, J. K. f a 175 Claremont  
 Mortimer, A. S. 3 l 67 W. 71  
 Morton, E. M. 3 t Whittier  
 Moses, A. S. 2 c Hartley
- Moses, E. F. 4 c 222 E. 61  
 Moses, J. 1 m 422 E. 9  
 Moses, R. 4 b 113 8  
 Mosher, J. A. ph Livingston  
 Moss, R. L. 3 b  
     320 St. Nicholas ave.  
 Mott, F. D. 3 s  
     309 Nelson ave., Peekskill  
 Mount, F. R. 2 m 144 W. 65  
 Mountsier, A. R. ph Livingston  
 Mountsier, M. ph 411 W. 118  
 Mount, Guy, 3 m 144 W. 65  
 Moynahan, R. M. nm b  
     2011 Fifth ave.  
 Mudd, H. S. 2 s 616 W. 113  
 Mulholland, V. 3 s  
     2582 Marion ave.  
 Mullen, J. A. 2 c 420 E. 84  
 Mullen, J. H. 4 c 60 E. 127  
 Mullins, G. H. 1 l 501 W. 121  
 Müller, Fred, 4 s  
     1198 Franklin ave.  
 Muller, H. J. 4 c 166 W. 122  
 Mulqueen, M. 1 b 888 Park ave.  
 Mulwitz, J. 1 c  
     33 S. Main, Port Chester  
 Mumford, A. R. 1 b 523 W. 122  
 Mumford, M. B. 1 b 521 W. 122  
 Munson, D. G. ph  
     1052 Lincoln Pl., Bklyn.  
 Murai, Y. pl 618 W. 114  
 Murchie, H. F. 1 s Hartley  
 Muriel, J. M. 2 s  
 Muriel, M. f a 62 W. 107  
 Murphy, D. 2 l 40 E. 49  
 Murphy, E. A. 2 s Livingston  
 Murphy, F. ph 423 W. 118  
 Murphy, I. C. 1 b  
     30 Fulton, Weehawken  
 Murphy, J. F. f a 431 W. 117  
 Murphy, R. K. 4 s Livingston  
 Murray, C. R. 2 m 725 Home  
 Murray, H. F. 2 m Hartley  
 Murray, J. A., Jr. 4 c  
     164 Broadway  
 Murray, J. E. ph 527 W. 124  
 Murray, J. N. 3 s 3920 Broadway  
 Murray, J. W. 4 t  
     1230 Amsterdam ave.  
 Murray, K. A. 3 t  
 Murray, T. R. 2 l  
     1190 Madison ave.  
 Murray, V. B. 2 m Fordham  
 Murray, V. M. ph 44 W. 25  
 Murray, W. B., Jr. 3 c  
     Huguenot Park, S. I.  
 Murray, W. S. pl 419 W. 121

- Murtland, C. 3 t  
81 Morningside ave. E.
- Musa, A. 3 t 306 W. 121
- Muse, E. H. f a Livingston
- Myers, C. M. 2 l Hartley
- Myers, E. 2 b 411 W. 115
- Myers, G. M. 3 t  
1100 E. 38, Bklyn.
- Nagourney, I. gr t 604 E. 9
- Nakahara, T. pl  
527 Tribune Bldg.
- Nakano, I. pl 64 E. 133
- Nammack, C. H. 2 m 42 E. 29
- Nammack, E. F. ph 723 W. 177
- Nammack, M. 4 b 42 E. 29
- Nants, J. S. gr t  
10 St. Nicholas Ter.
- Naravane, S. G. 1 s  
403 Manhattan ave.
- Nauheim, M. f a  
96 Neilson ave., Far Rockaway
- Naumburg, M. J. 2 b 137 W. 74
- Navarro, J. R. 2 s 557 W. 124
- Needles, C. B. ph 49 W. 9
- Neergaard, A. E. 4 m 151 W. 70
- Neighbors, C. H. 2 l Livingston
- Nelms, W. S. p Livingston
- Neu, E. E. 2 b 607 W. 116
- Neufeld, B. B. ph 238 E. 105
- Neugass, M. M. 1 b 415 W. 145
- Neuman, A. ph 71 E. 108
- Neuman, D. L. 1 s  
1602 Madison ave.
- Neville, E. S. t  
704 Quincy, Bklyn.
- New, F. D. ph 462 Madison ave.
- Newbold, H. pl 508 W. 113
- Newbury, M. C. 3 t 510 W. 124
- Newell, A. P. 3 l 146 W. 64
- Newhouse, E. L., Jr. 1 s  
627 W. 115
- Newman, L. E. gr t Whittier
- Newman, M. E. 1 b 71 E. 108
- Newman, M. R. 1 b 44 E. 68
- Newmark, S. N. 1 b  
951 Sherman ave.
- Newton, E. 3 s Hartley
- Nicholas, A. V. A. 3 t 158 W. 101
- Nichols, E. 3 t  
457 Prospect Pl. Bklyn.
- Nichols, E. W. nm b 42 W. 11
- Nichols, M. nm b  
113 Park ave. Mt. Vernon
- Nicholson, F. ph Brooks
- Nicholson, J. H. gr t  
50 Monroe Pl., Bklyn.
- Nicholson, H. M. nm b Brooks
- Nicholson, M. I. ph Brooks
- Niemann, B., Jr. 2 s 301 E. 10
- Nienburg, F. J., Jr. f a 399 W. 12
- Nigrin, J. V. 1 c 527 E. 78
- Nilson, S. J. 2 m  
662 Lexington ave.
- Nitchie, E. 4 b  
137 Prospect Park W., Bklyn.
- Nixon, L. E. ph  
557 West End ave.
- Nobis, A. M. 1 b  
Bryn Mawr Pk., Yonkers
- Noble, K. 1 b 304 W. 77
- Noble, R. 4 c 304 W. 77
- Norden, N. L. f a 101 W. 118
- Nordlinger, H. H. 1 c 45 E. 80
- Norris, F. E. 1 l  
5 Madison ave., Newark
- Norris, G. 3 l Livingston
- Norsworthy, L. D. p 557 W. 124
- North, E. M. pl 121 W. 122
- Northrop, J. H. 2 c  
500 Warburton ave., Yonkers
- Northup, R. M. gr t 239 W. 122
- Norton, A. R. 2 s Hartley
- Norton, K. B. 2 c 16 W. 45
- Norton, R. C. 3 c Hartley
- Noska, E. V. gr t 3211 Park ave.
- Nottingham, J. R. 4 b Brooks
- Nourse, C. J. 1 l  
245 Lexington ave.
- Novomesky, E. 2 s  
1412 Crotona ave.
- Noyes, I. F. 2 b  
324 Westchester ave., Port Chester
- Nuttall, L. J. 3 t 3283 Broadway
- Nutting, L. 3 t  
The Chelsea, 23d St.
- Nye, B. H. 1 c  
118 Locust Hill ave., Yonkers
- Nyitray, L. 2 b 983 Lexington
- Oakley, T. P. pl 520 W. 123
- Oakley, W. W. 4 s Ridgefield, N. J.
- Oberndorfer, M. 3 b Hotel Endicott
- Obler, D. M. s 192 Rivington
- O'Brien, F. J. 1 s 145 E. 127
- O'Brien, J. 1 c Hartley
- O'Brien, J. G. ph  
247 Marcy ave., Bklyn.
- O'Brien, N. 3 t Whittier
- O'Brien, W. J. 4 t  
208 Adelphi, Bklyn.
- Ockers, L. E. 3 b Brooks
- Ockert, F. W. 3 s 254 W. 104
- O'Connell, A. A. 3 t 501 W. 122



- O'Connell, A. A. 3 l Livingston  
 O'Connell, E. J. ph  
     340 Dean, Bklyn.  
 O'Connell, E. R. 2 c  
     1 Convent Hill  
 O'Connell, J. J., Jr. 2 nm c  
     340 Dean, Bklyn.  
 O'Connell, M. 2 b 506 W. 179  
 O'Connor, F. F. 3 s Hartley  
 O'Connor, J. A. 3 m 30 W. 60  
 O'Donnell, A. T. 4 b  
     2681 Briggs ave.  
 O'Donnell, Adrian 1 s 359 W. 120  
 O'Donnell, M. M. A. 4 b  
     2681 Briggs ave.  
 O'Donnell, R. C. 1 s 359 W. 120  
 Odum, H. W. pl Hartley  
 Oelrich, P. F. 2 b  
     48 Cambridge, East Orange  
 Oerzen, E. M. 1 b 1068 Lind ave.  
 Offner, R. 1 c 114 E. 54  
 Ogburn, W. F. pl Livingston  
 Ogden, A. 2 l 612 W. 116  
 Ogden, E. G. pl  
     232 S. Broad, Elizabeth  
 O'Gorman, A. A. 1 b 318 W. 108  
 O'Gorman, A. M. 3 b 318 W. 108  
 O'Gorman, J. M. gr t  
     Newman School, Hackensack  
 O'Kelly, J. J. fa Hotel Victoria  
 Okers, A. K. nm c 204 W. 114  
 Okuntsoff, E. pl 98 Second ave.  
 Old, A. V. 3 t 33 Union Sq.  
 Oldham, M. ph  
     1230 Amsterdam ave.  
 O'Leary, J. G. 1 m 325 W. 58  
 Oliver, R. K. 1 m  
 Oller, S. L. 3 t  
     1086 Amsterdam ave.  
 O'Malley, E. C. 1 b  
     127 Elm, Yonkers  
 Oné, K. O. pl 64 E. 133  
 O'Neale, M. L. 4 s 417 W. 114  
 O'Neill, Helen W. 4 t 514 W. 134  
 Oppen, L. H. ph  
     9 Fort Washington ave.  
 Oppermann, G. 4 t  
     3097 Broadway  
 O'Reilly, J. A. 2 m 18 E. 131  
 O'Reilly, V. 2 m 226 W. 137  
 Ormont, B. 2 s 558 Ninth, Bklyn.  
 O'Rourke, M. 1 b  
     19 Lake, White Plains  
 Osborn, S. R. 3 s  
     New Dorp, S. I.  
 Osborne, E. W. 2 c  
     Ansonia Hotel  
 Osborne, M. H. nm b 245 W. 104  
 Osbourne, A. A. pl  
     6 Park Pl., Newark  
 Osias, C. 4 t 526 W. 123  
 Osterberg, R. A. 1 b 279 W. 150  
 Osterhout, W. B. 3 l 430 W. 119  
 O'Sullivan, T. F. 1 c 404 E. 79  
 Oswell, K. F. 3 t Hotel Empire  
 Ota, R. pl 175 Ninth ave.  
 Ott, S. 4 t 511 W. 122  
 Otto, C. W. nm s 59 E. 177  
 Overton, J. A. 3 t  
     355 Crimmins ave.  
 Owens, J. L. 4 t 540 W. 159  
 Paashaus, L. F. 3 t  
     60 Fourth, Elizabeth  
 Paddock, E. H., Jr. 2 c 149 W. 72  
 Paddock, L. 4 c 141 W. 70  
 Paddock, R. 3 c 141 W. 70  
 Pafford, H. T. 3 m  
     238 Clinton, Bklyn.  
 Page, R. B. gr t 512 W. 180  
 Paige, A. B. ph 610 W. 169  
 Paine, C. L. nm t Whittier  
 Paleg, S. 1 m 317 W. 44  
 Palmer, A. F. 3 t 104 W. 139  
 Palmer, C. 4 t  
 Palmer, C. H., Jr. 3 s Hartley  
 Palmer, E. A. 3 b 707 W. 180  
 Palmer, R. S. nm c 344 W. 84  
 Palmer, S. R. gr t Whittier  
 Palmer, W. F. 3 s  
     362 Riverside Drive  
 Panaroni, A. G. ph 460 W. 131  
 Pandya, T. R. gr t Livingston  
 Paperno, L. A. 2 s 57 E. 117  
 Pardee, I. H. 1 c 74 W. 48  
 Park, J. 1 l Westbury, L. I.  
 Parker, A. R. 3 s 160 W. 141  
 Parker, E. G. ph  
     1230 Amsterdam ave.  
 Parker, E. J. 3 t 501 W. 122  
 Parker, L. A. 3 t Whittier  
 Parker, M. A. 3 t Goshen, N. Y.  
 Parker, M. L. gr t  
     154 Clinton, Bklyn.  
 Parker, R. A. 1 s  
     191 Claremont ave.  
 Parker, T. V. pl 465-43, Bklyn.  
 Parker, Z. W. 4 t 510 W. 124  
 Parkhurst, J. E. 3 t 449 W. 123  
 Parks, E. T. 1 b 129 W. 76  
 Parks, J. L., Jr. 3 nm l 103 E. 21  
 Parks, S. R. ph 120 E. 10  
 Parmenter, H. C. 4 t Whittier  
 Parsons, A. M. 4 t 223 W. 122



Parsons, J. O. 1 c  
474 Third, Bklyn.  
Parsons, L. A. 4 s Hartley  
Pascale, V. 4 m 32 Jones  
Pascarella, F. 2 c 232 W. Bwy.  
Passarella, M. 1 l 121 W. 21  
Paterson, A. H. 3 s Livingston  
Paterson, R. W. pl Hartley  
Paterson, S. f a  
418 Second, Bklyn.  
Paton, T. B., Jr. 2 c  
1777 Clay ave.  
Patterson, A. M. gr t 503 W. 121  
Patterson, E. L. 4 t Whittier  
Patterson, F. A. ph Livingston  
Patterson, M. 3 t Whittier  
Patterson, R. C., Jr. 3 s Livingston  
Patterson, S. W. gr t 343 W. 23  
Patterson, W. A. nm c  
Ward's Island  
Paul, E. M. 4 t 422 W. 115  
Paul, S. 1 l 360 W. 123  
Paulding, V. 3 t 503 W. 121  
Paye, C. K. nm c 522 W. 123  
Payne, J. E. 1 b 403 W. 115  
Paynter, R. H. 2 c  
1205 Fulton, Bklyn.  
Peabody, J. D. 3 l  
224 Madison ave.  
Pearce, G. G. 2 m 349 W. 57  
Pearson, W. D. 4 c 158 W. 106  
Pease, H. U. 3 t 530 W. 123  
Peaslee, A. J. 2 l  
W. 259, Riverdale-on-Hudson  
Peck, C. L. 3 t Whittier  
Peck, E. S. ph  
515 Clinton ave., Bklyn.  
Pedersen, F. M. p 452 W. 144  
Peeples, T. K. nm c Livingston  
Peet, G. D. 1 s Hartley  
Peirce, C. ph Whittier  
Peiser, D. W. 3 l Livingston  
Pell, W. H. D. 2 l 404 W. 115  
Pendleton, C. gr t 528 W. 123  
Penfield, Edith M. gr t  
Maple, Englewood  
Penfield, H. C. 1 s  
336 Riverside Dr.  
Pepper, E. N. nm t  
Hotel Martha Washington  
Perkins, C. E. nm m 105 W. 77  
Perkins, E. C. 4 m 346 W. 57  
Perkins, E. N. 1 l Livingston  
Perkins, F. pl 501 W. 50  
Perkins, J. 4 t 205 W. 118  
Perlowitz, C. 1 c  
1919 Bergen, Bklyn.

Pero, S. 1 b 8 St. Nicholas Ter.  
Perrine, H. 2 s 820 West End ave.  
Person, C. W. nm c 520 W. 123  
Peters, A. 2 c  
291 Hancock, Bklyn.  
Peters, G. L. 2 s  
410 Central Park, W.  
Peters, G. M. p 430 W. 119  
Peters, J. P., Jr. 1 m 227 W. 99  
Peters, W. F., Jr. 3 s  
410 Central Park, W.  
Peters, W. R. P., Jr. 2 s 33 W. 49  
Peterson, L. S. 3 m 112 E. 85  
Peterson, A. E. pl  
Morris High School, Bronx  
Pettapiece, L. E. 3 t 534 W. 187  
Pettit, W. W. 3 t 425 W. 118  
Peyton, G. S., Jr. 3 s 423 W. 118  
Pfeiffer, A. L. 1 m 230 E. 53  
Pfeiffer, B. L. 1 s Hartley  
Pfeiffer, E. H. 4 c 2 W. 94  
Pfeiffer T. N. 2 l 147 Ave. B.  
Phelan, R. E. 4 s  
Phelps, C. G. 4 t Whittier  
Phelps, R. S. ph Brooks  
Phillips, E. S. J., Jr. f a 335 W. 71  
Phillips, G. W. nm t 108 E. 82  
Phillips, H. E. 1 b Brooks  
Phillips, J. 1 s 14 E. 113  
Phillips, J. 3 t Whittier  
Phillipson, B. F. 1 s 2 W. 120  
Philp, M. I. ph 423 W. 118  
Philson, J. DeL. 3 s  
55 Hart, Bklyn.  
Phinny, H. B., Jr. 2 s  
249 Valentine Lane, Yonkers  
Phipps, C. F. gr t 5 W. 93  
Phipps, H. M. 3 m 227 W. 51  
Phipps, W. G. 1 m  
Picard, M. 3 c 79 Hamilton Pl.  
Pick, T. ph 41 E. 72  
Pickhardt, O. C. 2 m  
1042 Madison ave.  
Pierce, A. F. 1 m  
Pierce, F. E. 3 t 430 W. 124  
Pierrepont, R. S. 1 l  
216 Columbia Heights, Bklyn.  
Pierson, H. O. 608 W. 113  
Pigott, C. 3 s Hartley  
Pincus, S. 1 c  
229 Cathedral Parkway  
Pineda, R., Jr. 2 s 608 W. 113  
Pino, E. 2 s Hotel America  
Pistner, B. f a  
189 Rodney, Bklyn.  
Pitt, S. 2 s 523 W. 113  
Pittaro, J. M. 1 c 309 E. 112

- Pittman, H. nm t The Emerson  
 Pitts, A. L. nm c  
 46 Fourth ave., Bklyn.  
 Planer, C. H. 4 t  
 714 Bloomfield, Hoboken  
 Platt, R. F. 4 b 259 W. 109  
 Plaut, E. 4 b 302 Central Park, W.  
 Plimpton, L. E. 3 t Whittier  
 Plotnick, M. L. 1 s 178 avenue A  
 Plotz, H. 1 m 1722 Madison ave.  
 Plummer, H. C. 2 b  
 Cranford, N. J.  
 Poffenberger, A. T., Jr. ph  
 Hartley  
 Points, J. S. pl Brooks  
 Poland, E. E. nm t  
 48 S. Oxford, Bklyn.  
 Polhemus, G. W. 1 c Hartley  
 Polhemus, H. M. fa 627 W. 115  
 Polhemus, M. B. 3 b  
 19 Hillside ave., Englewood  
 Polk, G. W. 1 nm l Livingston  
 Poll, D. 4 nm m  
 603 Third, Bklyn.  
 Poll, N. E. 1 s 1845 Seventh ave.  
 Pollack, E. A. 1 l 422 E. 140  
 Pollard, G. I. nm t  
 Maplewood, N. J.  
 Pomeroy, G. 3 t 55 Broad, Newark  
 Pool, E. M. pl 559 West End ave.  
 Poor, P. 2 b 9 W. 9  
 Poore, H. W. 1 b  
 2723 Church ave., Bklyn.  
 Porter, F. J. 2 c 15 E. 10  
 Porter, G. H. pl Livingston  
 Porter, H. M. 3 b  
 175 Beech, Yonkers  
 Porter, L. S. 1 c Hartley  
 Porter, R. H. 2 l Livingston  
 Poteat, H. McN. ph Livingston  
 Potter, Mrs. L. Van H. ph  
 528 W. 124  
 Potter, Z. L. pl Hartley  
 Potts, L. E. 4 t Whittier  
 Powell, A. K. ph 519 W. 121  
 Powell, A. L. 4 s  
 Rockville Center, N. Y.  
 Powell, Mrs. A. W. fa  
 915 President, Bklyn.  
 Powell, H. W. p The Aphthorp  
 Powell, L. M. 4 t  
 Bellevue Nurses Home  
 Powell, R. E. nm c 604 W. 114  
 Powers, L. C. ph 700 Park ave.  
 Powers, L. K. ph 503 W. 121  
 Pozzoni, C. P. ph  
 1245 Amsterdam ave.  
 Prats, E. R. 3 t 500 W. 123  
 Pratt, E. L. 3 m 137 W. 14  
 Pratt, J. W. 1 s Hartley  
 Pratt, M. 3 b 57 W. 45  
 Prendergast, M. 3 t 505 W. 124  
 Pribble, E. E. nm t 505 W. 121  
 Price, A. L. 3 c 302 Central Pk., W.  
 Price, J. 1 c 786 E. 183  
 Price, M. S. ph 379 West End ave.  
 Price, W. R. ph 500 W. 135  
 Pritchard, M. M. 3 t Whittier  
 Prochazka, G. 1 s 138 W. 13  
 Prochazka, O. 3 b 138 W. 13  
 Procknor, C. S. 4 t  
 9 N. 9th ave., Mt. Vernon  
 Prosser, C. A. gr t 541 W. 124  
 Prox, C. C. H. 2 c 300 W. 109  
 Pruitt, Ida 4 t Whittier  
 Puig, A. 3 t 500 W. 123  
 Pulley, J. W. 2 c 171 W. 94  
 Puorro, M. p  
 82 Underhill ave., Bklyn.  
 Putnam, J. O. 3 l 216 W. 70  
 Pyne, W. C. 1 c 265 W. 88  
 Pyne, W. F. 2 s 265 W. 88  
 Quackenbos, G. P. ph 331 W. 28  
 Quackenbush, L. S. p 27 W. 73  
 Rabinovitz, C. 1 b  
 459 Wendover ave.  
 Racoubian, R. S. 4 t  
 254 Fourth ave.  
 Rade, H. S. 2 c 543 W. 123  
 Radigan, F. J. 2 s  
 621 Pavonia ave., Jersey City  
 Radin, P. ph 782 E. 165  
 Raffie, S. M. 2 m Hartley  
 Raeder, A. B. 3 t Passaic  
 Ralph, E. P. 2 b  
 390 West End ave.  
 Ramsdell, C. H. 3 c  
 342 Convent ave.  
 Randolph, F. M. F. 3 b 425 W. 114  
 Ranger, E. A. 3 l 38 E. 73  
 Ransom, R. S., Jr. 2 s 338 W. 77  
 Raphael, A. L. 1 s  
 64 Edgecombe ave.  
 Raphael, S. S. 4 t  
 321 S. 1, Bklyn.  
 Rapelye, Emma L. 1 b  
 75 Forest Parkway, Woodhaven,  
 N. Y.  
 Rapp, P. L. gr t 492 Third ave.  
 Rathjen, A. 3 l Livingston

Ratner, A. E. 2 s  
341 Stone ave., Bklyn.  
Ransch, A. F. 1 s  
945 Prospect Pl., Bklyn.  
Ravich, A. 2 m Aqueduct, L. I.  
Rawcliffe, E. 4 b 630 E. 233  
Ray, J. H. R. pl Chelsea Square  
Read, F. W. 4 b  
70 Morningside ave., W.  
Read, H. L. 2 s  
228 Clinton, Bklyn.  
Read, John E. 1 l Hartley  
Ready, E. P. 2 b  
42 Kensington ave., Jersey City  
Reardon, E. 1 b  
316 Warburton ave., Yonkers  
Reback, H. W. gr t 364 W. 121  
Redding, L. F. ph  
153 Summer ave., Newark  
Redmond, D. W. pl 505 W. 141  
Reed, A. F. gr t  
58 Morningside E.  
700 Park ave.  
Reed, C. A. pl  
Reed, H. B. 4 m  
Reed, M. M. 3 t Whittier  
Reeder, G. A. 4 b  
Hastings-on-Hudson  
Rees, F. du B. 2 b  
110 & Riverside Drive  
Rees, V. M. 2 b 164 W. 129  
Reese, C. H. 2 b 478 W. 145  
Reesor, M. gr t 417 W. 121  
Reeve, B. I. 3 t Whittier  
Regan, M. L. 3 t 527 W. 156  
Reh, I. f a 70 W. 102  
Reid, E. nm t Whittier  
Reid, M. J. 3 b  
82 Morningside ave. E.  
Reidy, K. L. 3 t 169 E. 90  
Reidy, M. J. 4 m 138 W. 61  
Reilly, D. 4 t  
1036 Post ave., Port Richmond  
Reilly, F. A. 3 l Mt. Vernon  
Reilly, J. J. ph Livingston  
Reilly, L. 1 b  
1036 Post ave., Port Richmond  
Reiner, J. L. 3 l Livingston  
Reinoehl, C. M. gr t 529 W. 123  
Reisner, E. H. gr t Hartley  
Reitlinger, B. H. ph 120 W. 70  
Remsen, W. 3 c 612 W. 116  
Renton, M. 4 b  
207 Schermerhorn, Bklyn.  
Renwick, H. B. 1 c  
432 Riverside Drive  
Renwick, W. W. 3 c 526 W. 123  
Reuben, C. S. 1 b 512 W. 162

Renshaw, P. 3 s 612 W. 116  
Renthner, E. A. 4 t 201 W. 130  
Reutschler, G. H. 3 t  
Dunellen, N. J.  
Reuther, C. E. nm c 36 W. 88  
Reutter, R. H. 1 c 36 W. 88  
Reynar, M. W. 3 b Brooks  
Reynolds, A. H. ph  
700 Park ave.  
Reynolds, B. 1 b  
54 Morningside ave., W.  
Reynolds, M. nm b Brooks  
Reynolds, R. S. 1 c  
Greenwich, Conn.  
Reynolds, W. A. 3 l 353 W. 119  
Rhett, W. M. 1 m 12 E. 73  
Rhodes, C. L. ph Whittier  
Ricca, F. J. nm c 314 E. 115  
Rice, M. nm b The Ansonia  
Rice, R. H. 2 l Hartley  
Rich, G. E. 3 t Whittier  
Richard, B. 3 t  
100 Morningside ave.  
Richards, C. C. 3 t  
4424 Sixth ave., Bklyn.  
Richardson, E. S. 2 b 620 W. 115  
Richardson, R. W. ph Whittier  
Richardson, S. T. p  
Poughkeepsie  
Richey, M. C. 1 b 354 W. 21  
Richter, A. C. 3 t  
21 E. 30, Bayonne  
Richter, C. 1 s 966 E. 156  
Richter, H. 1 s 1441 Bryant ave.  
Ricketts, B. L. ph 1065 Boston Rd.  
Ridge, F. I. 4 m 106 W. 64  
Riegel, G. H. 3 c 57 W. 81  
Ries, H. 4 t 530 W. 123  
Riesenberg, F. 3 s Livingston  
Riley, H. A. 2 m 125 W. 92  
Riley, W. L. 3 s 125 W. 92  
Rinck, W. 4 c  
127 Quitman, Newark  
Rionda, S. C. 1 s 476 W. 142  
Riordon, E. 3 b 523 W. 152  
Rippenbein, N. 1 s  
Riskin, J. R. 1 s Hartley  
Risser, R. B. 4 t 419 W. 121  
Ritch, B. A. 3 b  
112 Mason, Greenwich, Conn.  
Riter, B. F., Jr. 3 l Hartley  
Ritt, H. L. 3 t  
253 Liberty ave. Bklyn.  
Rivers, M. V. 3 t 2333 Broadway  
Rivkin, M. E. 3 b 521 W. 151  
Roach, E. M. 4 t  
1107 Amsterdam ave.

- Roake, L. 3 t  
     400 Washington, Peekskill  
 Robbins, C. L. gr t Livingston  
 Robbins, J. B. 1 c 523 W. 113  
 Robbins, L. W. 4 t 94 Lawrence  
 Robbins, S. 4 t 500 W. 123  
 Robert, D. R. 3 m  
     97 Columbia Heights., Bklyn.  
 Robert, M. 1 s 266 W. 130  
 Roberts, A. M. 3 s Hartley  
 Roberts, C. M. 3 t 538 W. 145  
 Roberts, E. 4 t Whittier  
 Roberts, E. O. 2 s 627 W. 115  
 Roberts, E. W. 1 b  
     38 S. Parsons ave., Flushing  
 Roberts, G. H. f a Livingston  
 Roberts, G. H. p  
     1105 Carnegie Hall  
 Roberts, J. S. gr t Hester and  
     Essex  
 Robertson, I. 3 t  
     712 Fourteenth ave., Paterson  
 Robertson, J. F. gr t 32 W. 66  
 Robertson, M. L. p Brooks  
 Robinson, A. L. 4 t Whittier  
 Robinson, C. R. 1 s 419 W. 115  
 Robinson, E. 4 t 381 Central Pk.,  
     W.  
 Robinson, H. A. 1 c 604 W. 114  
 Robinson, H. W. 1 l  
     94 Hudson Ter., Yonkers  
 Robinson, J. H. ph 434 W. 124  
 Robinson, J. M. nm l  
     1105 Amsterdam ave.  
 Robinson, J. S. 3 l Livingston  
 Robinson, K. D. 2 c 498 W. 136  
 Robinson, L. 1 b  
     3 Alpha Pl., New Rochelle  
 Robinson, L. B. 3 m Harvard Club  
 Robinson, L. B. 3 t  
     160 E. Sidney ave., Mt. Vernon  
 Robinson, L. H. 4 c Hartley  
 Robinson, M. 4 t  
     381 Central Pk., W.  
 Robinson, M. 1 b 366 W. 117  
 Robinson, M. M. f a  
     3609 Broadway  
 Robinson, Z. M. gr t 527 W. 121  
 Roche, E. S. 3 c Livingston  
 Roche, J. A. pl 500 W. 121  
 Roche, J. P. 3 c  
     14 Lafayette ave., Bklyn.  
 Rochester, M. M. ph  
     845 Lexington ave.  
 Rockwood, N. O. 4 c 614 W. 113  
 Rocour, J. H. M. 4 s  
     1105 Amsterdam ave.
- Rodenburg, J. T. 3 s 444 W. 44  
 Rodman, E. S. 4 t  
     Hamilton Rd., So. Orange  
 Rodman, H. pl  
     846 Boulevard, Astoria  
 Roeder, E. A. 1 b  
     104 Keap, Bklyn.  
 Roelkey, D. E. p 218 E. 15  
 Roemermann, A. 1 s 140 W. 129  
 Rogan, M. E. ph  
     76 Hawthorne ave., Yonkers  
 Rogers, F. E. 2 b Brooks  
 Rogers, G. J. 2 b 1337 Clinton ave.  
 Rogers, H. W. 2 c 246 W. 106  
 Rogers, H. W. 2 c 524 W. 123  
 Rogow, C. 1 c 272 W. 113  
 Rogowski, B. 2 s 311 W. 137  
 Rohn, J. 2 s  
     40 Oxford, Montclair  
 Roling, L. G. 4 t Whittier  
 Rood, M. M. nm t 417 W. 121  
 Roof, E. L. ph Brooks  
 Roof, M. S. 2 b Hartley  
 Roos, W. F. 1 c  
 Root, W. R. 1 c  
     248 Jefferson ave., Bklyn.  
 Rose, A. A. 2 c Hartley  
 Rose, F. E. 3 b  
     23 Sussex, Hackensack  
 Rose, J. 2 s 1413 Prospect ave.  
 Rose, W. J. 3 l 1 W. 85  
 Roseff, A. 1 c Mamaroneck  
 Rosenbaum, C. 4 m  
     693, Columbus ave.  
 Rosenberg, S. 1 s 142 Ludlow  
 Rosenblatt, E. G. 1 b  
     Hotel Endicott  
 Rosenblatt, F. F. pl 520 W. 123  
 Rosenblüth, M. B. nm c  
     207 W. 110  
 Rosenthal, B. J. ph 240 W. 137  
 Rosenthal, G. J. 4 c 7 W. 120  
 Rosenthal, W. J. 1 c 237 W. 113  
 Rosenzweig, M. 1 c  
     596 Riverside Drive.  
 Rosenzweig, S. B. 2 m  
     1823 Topping ave.  
 Ross, G. H. 4 s 618 W. 113  
 Ross, W. N. 3 c 449 W. 123  
 Rossell, J. E.  
     Evelyn Lodge, Central ave., S.I.  
 Rossin, E. C. 1 b 36 E. 68  
 Roth, G. G. 1 b 612 W. 112  
 Roth, L. L. 2 m 929 Park ave.  
 Rothenberg, B. 1 c 224 W. 141  
 Rothholz, M. gr t Whittier  
 Rothschild, D. 3 s 586 E. 165



- Rothschild, L. O. 2 l 251 W. 138  
 Rothschild, M. A. 3 m Livingston  
 Rothschild, R. H. O. pl  
 1980 Seventh ave.  
 Rothwell, A. S. 1 c 144 W. 76  
 Rothwell, V. H. 2 c 144 W. 76  
 Rouse, E. C. 3 l 616 W. 113  
 Rowland, H. H. ph  
 700 Park ave.  
 Rowson, L. L. 3 t Whittier  
 Roy, M. M. pl 430 W. 119  
 Royce, C. E. 3 m 541 W. 123  
 Rubino, G. 2 c 34 Carmine  
 Rudd, F. S. f a  
 411 West End ave.  
 Ruddock, A. B. pl Hartley  
 Rugen, O. N. 1 s  
 242 S. Ninth, Bklyn.  
 Ruggles, A. M. gr t Livingston  
 Runge, O. E. 3 c  
 783 Bushwick ave., Bklyn.  
 Runge, O. E. 1 m  
 783 Bushwick ave., Bklyn.  
 Runyon, H. De M. 3 b 40 W. 131  
 Ruprecht, W. E. 1 s 608 W. 113  
 Rushmore, E. M. pl  
 120 Montague, Bklyn.  
 Rushmore, E. R. gr t  
 495-12, Bklyn.  
 Rushmore, J. C. nm m  
 477 Washington ave., Bklyn.  
 Rusk, H. M. 2 b  
 636 Coumbus ave.  
 Rusk, N. L. nm b  
 7 Trinity, Montclair, N. J.  
 Russell, C. E. 4 b 3100 Broadway  
 Russell, C. M. 3 t 502 W. 141  
 Russell, E. W. 1 c  
 524 W. 123, c/o Mrs. L. H. Haigh  
 Russell, M. G. 4 t 145 W. 97  
 Russell, W. L. gr t 519 W. 152  
 Rust, R. J. 3 t 312 W. 103  
 Ruthardt, R. M. 2 s  
 470 E. 14, Bklyn.  
 Ryan, W. C. ph  
 556 Center, Nutley  
 Rydene, A. P. ph 427 W. 154  
 Ryder, F. nm s Livingston  
 Ryon, F. L. 1 s  
 62 Bowne ave., Flushing  
 Rypinski, J. E. 4 s 424 W. 115  
 Saalberg, H. 1 s 307 W. 93  
 Sabsovich-Orenstein, M. pl  
 799 Jennings  
 Sackett, C. B. 4 t Whittier  
 Sachs, A. P. 1 s 63 E. 106  
 Sachs, S. S. 1 c 185 Clinton  
 Sackett, N. p 533 Livingston  
 Sagarino, J. F. 1 m 148 W. 64  
 Sage, E. W. 1 c  
 378 West End ave.  
 Sailer, T. H. P. gr t  
 156 Fifth ave.  
 Salmowitz, R. L. 3 b  
 23 Broome, Bklyn.  
 Salsbury, M. 2 s 30 W. 96  
 Salsbury, N. 2 l 30 W. 96  
 Salwen, D. 2 b  
 1931 Bergen, Bklyn.  
 Salzano, F. gr t 40 Dominick  
 Salzman, A. B. 1 b  
 5403-15th ave., Bklyn.  
 Sameth, B. 4 t  
 375 State, Perth Amboy  
 Sameth, E. 3 t 233 E. 11  
 Samuels, A. B. ph 548 W. 124  
 Samuels, M. 1 s  
 907 Prospect ave.  
 Sanborn, J. C. 1 l Hartley  
 Sanborn, M. L. 3 b  
 1477 Lexington ave.  
 Sanders, T. M. 1 c  
 113 & Bwy, Yorkshire Apt.  
 Sanderson, M. L. ph 408 W. 115  
 Sandford, G. 3 b 431 W. 121  
 Sandford, H. 1 b 431 W. 121  
 Sandiford, P. gr t Livingston  
 Sanford, C. H. 4 m  
 822 Eagle ave., Bronx  
 Sanford, D. McK. pl 415 W. 118  
 Sanger, A. C. 3 s Hartley  
 Sangree, H. K. 1 m  
 Physicians & Surgeons Club  
 Santelices, D. S. 4 s 310 W. 111  
 Sapiro, D. 2 c 971 Trinity ave.  
 Sapiro, D. 1 c 964 Stebbins ave.  
 Sarauw, C. E. ph 313 W. 133  
 Sarles, L. R. f a 523 W. 113  
 Sassulsky, I. 1 m  
 312 Hopkinson ave., Bklyn.  
 Sato, S. p 18 E. 125  
 Saul, G. E. 3 b  
 429 Ninth ave., Long Island City  
 Saulsbury, A. D. 3 t 527 W. 121  
 Saunders, A. W. pl 232 E. 79  
 Saunders, F. H. 3 s 523 W. 113  
 Saunders, Mrs. J. C. gr t 3 W. 92  
 Saunders, Wm. D. ph  
 175 Ninth ave.  
 Savitz, H. E. 4 b  
 101 Ross Pl., Westfield, N. J.  
 Saxe, J. A. 34 W. 44  
 Saxe, W. V. 1 c 75 E. 81



- Saxman, P. M. 2 s Livingston  
*Scales, E. R. p*  
 62 *Garrison ave., Jersey City*  
*Schaefer, H. Ch. nm b Brooks*  
*Schapiro, M. L. nm b 509 W. 135*  
 Schapiro, M. S. 3 s 326 E. Houston  
 Schattinger, G. F. 1 s 316 Hartley  
 Schechter, F. I. 1 c 512 W. 122  
 Schede, F. C. 2 s 531 W. 113  
 Scheib, R. ph 922 Melrose ave.  
 Scheibel, M. W. f a  
 226 Graham ave., Bklyn.  
 Scheuch, W. A. 2 s 547 E. 171  
 Scheuer, J. 3 s 140 W. 120  
 Scheuer, S. H. 1 c 28 W. 127  
 Schiefelbein, E. S. 1 l 515 W. 124  
 Schiel, W. E. 1 c Deer Park, L. I.  
*Schlesinger, E. 3 b 61 W. 74*  
 Schlesinger, G. 3 c  
 75 W. Tremont ave., Bronx  
*Schlesinger, M. D. p*  
 9 *Tower Pl., Yonkers*  
 Schlichting, L., Jr. 3 s 413 W. 117  
 Schlossman, W. M. 4 c 37 W. 118  
 Schlottman, G. 2 s  
 2383 Davidson ave.  
 Schmalhausen, S. D. pl  
 1069 Boston Rd.  
 Schmelzel, C. 2 c 18 W. 56  
 Schmidt, A. M. 3 c  
 556 McDonough, Bklyn.  
 Schmidt, E. G. f a Havemeyer  
 Schmidt, Wm. C., Jr. 2 s  
 1056 St. Nicholas ave.  
 Schmitt, P. A. 3 l 421—6, Bklyn.  
*Schneider, E. 3 t*  
 501 W. 122, *Care Mrs. Brunell*  
 Schneider, L. S. 1 s 1 W. 117  
 Schneider, W. S. f a  
 The "Homestead," Wave Crest,  
 Far Rockaway, L. I.  
 Schnepf, C. F. 4 s  
 Ridgfield Park, N. J.  
 Schodts, L. M. ph 140 W. 93  
 Schoedler, L. H. 3 b  
 240 Purdy, Steinway, L. I.  
*Schoenfeld, J. pl Whittier*  
 Scholle, H. A. 1 l 11 E. 76  
 Scholz, F. W. 2 c 414 Fourth ave.  
 Schonberg, M. pl 855 E. 156  
 Schorer, A. R. ph 105 E. 22  
 Schottland, J. ph 308 W. 113  
 Schrenkeisen, F. G. 1 c 294 W. 92  
 Schroeder, L. C. 3 m 222 Bowery  
*Schroeder, M. nm t*  
 1390 Clinton ave.  
 Shultz, A. f a 126 W. 137  
 Shultz, H. S. 2 l 604 W. 114  
 Schultz, L. C. 2 s 604 W. 114  
 Schulz, P. f a 218 W. 133  
 Schumacher, K. J. 3 s 127 W. 111  
 Schumaker, M. V. 4 t Whittier  
 Schur, R. P. 4 c  
 4 Hamilton Ter.  
 Schurman, G. W. 1 s 330 E. 152  
*Schwabe, B. E. 4 t 507 W. 124*  
 Schwanenflugel, H. v. f a  
 134 E. 72  
*Schwarte, J. J. 4 b 402 W. 124*  
*Schwarte, V. M. 3 t 402 W. 124*  
*Schwartz, L. E. 3 t Whittier*  
 Schwartz, A. A. 2 m 584 Broome  
 Schwartz, E. E. 2 c  
 2778 Atlantic ave.  
 Schwartz, I. K. 4 t 66 E. 114  
 Schwartz, Jr., L. F. 2 l  
 149 Centre ave., New Rochelle  
*Schwarz, H. 4 t 552 Riverside Dr.*  
 Schwarz, O. L. ph  
 1774 Washington ave.  
 Schwarze, C. A. p 92 Stagg  
*Schweis, E. M. 2 b*  
 987 Columbus ave.  
 Schweizer, J. A. 1 s  
 857 Eastern Parkway, Bklyn.  
 Schwerd, F. M. 1 m  
 206 Lenox ave.  
 Scott, D. B. 3 s 112 W. 122  
 Scott, F. E. 2 l Livingston  
 Scott, F. W. 3 m 149 W. 61  
 Scott, G. W. A. 3 c 228 E. 127  
*Scott, H. 3 t Whittier*  
 Scott, L. B. 1 c 238 Clinton  
 Scott, M. U. ph Whittier  
 Scott, T. K. 4 s 361 W. 121  
 Scrugham, M. ph Brooks  
 Scully, M. A. P. 2 b  
 416 Amity, Flushing, L. I.  
 Sears, J. D. nm c 304 W. 109  
 Seaton, T. P. 1 c 524 W. 124  
 Sebbelov, G. ph 521 W. 111  
 Secor, J. ph  
 90 Morningside ave., W.  
 Sedgwick, H. R. f a 107 E. 37  
 Seebold, P. J. f a  
 59 North ave., New Rochelle  
 Seely, C. E. 3 b 505 W. 122  
 Seely, L. H. 4 t  
 50 *Gautier ave., Jersey City*  
 Seelye, E. E. 3 s 3120 Broadway  
 Segal, M. ph 2041 Seventh ave.  
 Segee, G. R. 2 b 405 W. 118  
 Seibert, H. 1 b 2230—83, Bklyn.  
 Seidenberg, R. f a 24 E. 99

- Seidler, V. B. 2 m  
74 Hillside ave., Newark
- Seil, G. E. 2 s Perth Amboy
- Seil, J. nm t 201 W. 120
- Selby, M. M. nm t Whittier
- Seleen, E. B. 4 t 530 W. 124
- Selig, S. 1 c 154 Monroe
- Selle, E. S. pl 700 Park ave.
- Selleck, A. 4 t Whittier
- Sellew, W. H. 3 s 78 E. 79
- Sellew, W. W. 1 c 78 E. 79
- Selvage, N. 2 s 413 W. 117
- Selwyn-Brown, A. pl 332 W. 55
- Semel, A. L. 4 s  
1855 Seventh ave.
- Semple, R. A. 2 s Livingston
- Septon, H. A. G. 4 c Livingston
- Sergeant, D. M. 1 s  
186 Claremont ave.
- Sesso, P. M. ph 116 E. 91
- Setchamove, R. J. 3 c  
1649 Amsterdam ave.
- Sethna, N. R. 2 s  
1297 Amsterdam ave.
- Sevatson, C. 3 t  
100 Morningside ave. W.
- Severance, G. H., Jr. ph  
175 Ninth ave.
- Seveso, A. 3 b 43 Tillary, Bklyn.
- Sexton, A. J. G. 4 c
- Sexton, B. P. 3 t  
Croton-on-Hudson
- Seymour, M. E. 3 t 530 W. 122
- Seymour, R. nm t 823 Manida
- Seymour, S. H. 4 t Whittier
- Shafer, M. L. 3 t Whittier
- Shaffner, C. L. 4 t Whittier
- Shanks, N. 1 c  
295 Throop ave., Bklyn.
- Shannon, R. L. 1 b 324 W. 71
- Shapiro, I. F. 3 m 401 E. 68
- Sharpless, E. F. gr t Whittier
- Shaterian, W. S. 2 c  
1092 Amsterdam ave.
- Shaw, A. G. 4 b Brooks
- Shaw, E. L. 4 b 512 W. 149
- Shaw, G. A. 2 s  
944 Marcy ave., Bklyn.
- Shaw, G. M. 3 b 19 W. 46
- Shaw, H. B. 4 c 1011 Hartley
- Shaw, J. C. 4 t Whittier
- Shaw, J. J. 1 s White Plains
- Shaw, J. M. 1 b Brooks
- Shaw, M. B. 3 b 512 W. 149
- Shaw, Z. C. 3 t Whittier
- Shear, N. C. J. ph  
524 Riverside Dr.
- Shearer, C. W. 4 s 71 E. 82
- Shearman, W. H. 3 s  
540 Park ave.
- Shears, L. A. 2 c 203 W. 103
- Shedd, Mrs. C. B. 4 t  
The Continental, 177 & Broadway
- Sheehan, P. 3 l
- Shehan, M. 2 b 1974 Richmond Ter.  
Pori Richmond, S. I.
- Sheinman, L. 3 m 57 W. 124
- Shelley, D. M. 2 b  
218 Garfield Pl., Bklyn.
- Shelley, H. V., Jr. 1 c  
454 Prospect Pl., Bklyn.
- Shenfield, L. L. f a 311 W. 95
- Shenton, H. N. pl Madison, N. J.
- Shepard, M. G. 1 s Hartley
- Sheppard, E. E. 3 t  
85 State, Hackensack, N. J.
- Sheppard, O. de G. ph Whittier
- Sherin, L. M. 2 b 516 W. 143
- Sherman, B. G. nm m 318 W. 57
- Sherman, D. D. 1 c Hartley
- Sherrer, F. L. 2 l  
15 Winthrop Ter., E. Orange
- Sherwood, J. O. nm t 500 W. 121
- Shibley, G. S. 1 c 444 W. 164
- Shilotri, P. S. pl  
386 Manhattan ave.
- Shires, H. H. pl 175 Ninth ave.
- Shirley, A. R. 1 m 221 W. 83
- Shlimbum, S. 2 m 237 E. 25
- Shrewsbury, W. E. 2 c  
148 Van Buren, Bklyn.
- Shull, A. F. p Hartley
- Shurtz, H. M. 3 t 3692 Broadway
- Shwitzer, M. 3 b 16 E. 96
- Sickels, J. S. 2 l Hartley
- Sickels, K. H. 3 b  
596 Riverside Drive
- Siclari, F. A. 2 l 28 Spring
- Sidbury, J. B. 2 m 330 W. 55
- Sidell, R. H. 3 b  
220 Harrison ave., Westfield, N. J.
- Siegel, M. T. 2 m 3 W. 118
- Siegrist, M. S. 3 t Whittier
- Sieman, W. S. 1 c 211 W. 101
- Sies, R. W. gr t Livingston
- Siff, A. L. 2 c 1117 Forest ave.
- Sill, A. M. gr t  
1294 Lexington ave.
- Sillcox, C. M. p 527 W. 121
- Sillcox, L. M. 3 b 527 W. 121
- Silverman, H. 3 l 931 Park ave.
- Silverman, S. 4 b 45 E. 75
- Simmonds, L. J. gr t  
137 & Amsterdam ave.

- Simmons, E. B. 1 m  
 Simmons, E. M. b  
     142 Engle, Englewood, N. J.  
 Simmons, F. E. nm s  
     9 Old Broadway  
 Simmons, W. f a  
 Simon, C. 2 s 306 W. 99  
 Simon, H. 2 s 22 Mt. Morris ave.  
 Simon, L. G. 2 s 145 W. 120  
 Simon, M. 2 m  
     206 Main ave., Passaic  
 Simonds, E. L. nm t  
     144 Riverside Drive  
 Simonds, H. M. 4 t Whittier  
 Simons, L. G. gr t 180 W. 88  
 Simpson, H. N. gr t Livingston  
 Simpson, J. O. 4 t  
     241 S. Sixth ave., Mt. Vernon  
 Simpson, W. 1 m 14 W. 60  
 Sinclair, M. A. 4 t 503 W. 121  
 Sinclair, R. H. 1 c Towaco, N. J.  
 Singer, E. A. 4 t Whittier  
 Sinn, R. S. 1 b 12 E. 94  
 Skeel, H. R. 1 m 361 Mott ave.  
 Skinner, A. B. 4 t 423 W. 118  
 Skinner, T. W. 2 s Hartley  
 Skipp, H. J. ph Livingston  
 Skjer, M. t 1320 Amsterdam ave.  
 Skutch, I. 3 l  
     998 Sterling Pl., Bklyn.  
 Slade, M. G. 1 b 519 W. 124  
 Slattery, J. R. pl  
     Hotel Langham  
 Slaymaker, R. J. gr t  
     Teachers College  
 Sleffel, K. F. 3 t  
     195 Claremont ave.  
 Sloan, M. A. 3 t 341 W. 29  
 Sloan, R. A. ph 511 W. 122  
 Sloan, W. S. 2 c  
     400 Riverside Drive  
 Slosson, P. W. 1 c 530 W. 123  
 Slutzky, H. 2 c  
     627 Marcy ave., Bklyn.  
 Sly, G. 4 t Whittier  
 Smale, W. P., Jr. 2 c 470 W. 146  
 Small, J. 4 t 1230 Amsterdam ave.  
 Smalley, M. 1 b  
     191 Claremont ave.  
 Smallheiser, A. L. 2 c  
     259 Hart, Bklyn.  
 Smallwood, R. F. f a 70 W. 47  
 Smart, A. M. 4 t 415 W. 118  
 Smeeton, M. A. 3 t Whittier  
 Millie, R. 1 s  
     440 West End ave.  
 Smith, A. 3 l Livingston  
 Smith, A. C., Jr. 2 c 601 W. 110  
 Smith, A. D. 1 c 603 W. 184  
 Smith, A. H. 4 s Livingston  
 Smith, A. H. 2 c 565 W. 113  
 Smith, A. J. 2 s 604 W. 114  
 Smith, B. B. pl Whittier  
 Smith, B. G. nm t Whittier  
 Smith, E. I. 4 t 109 W. 129  
 Smith, E. P. pl Whittier  
 Smith, E. P. 4 c Livingston  
 Smith, F. A. nm m  
 Smith, F. B. f a Livingston  
 Smith, F. D. 4 t  
     559 McDonough, Bklyn.  
 Smith, F. M. ph 418 W. 118  
 Smith, F. P. 3 t Whittier  
 Smith, G. 4 c  
     90 Morningside ave. W.  
 Smith, H. 3 t 420 W. 121  
 Smith, H. D. f a Livingston  
 Smith, I. D. 1 c 127 W. 69  
 Smith, J. F., Jr. gr t  
     615—48, Bklyn.  
 Smith, J. G. 3 t Whittier  
 Smith, J. L. 2 s 500 W. 121  
 Smith, J. S. 4 t 430 W. 119  
 Smith, L. A. nm c 541 W. 147  
 Smith, L. B. 1 s Plainfield, N. Y.  
 Smith, L. E. f a  
     65 Fisher ave., White Plains  
 Smith, M. gr t  
     363 Grand ave., Bklyn.  
 Smith, M. D. F. 2 m Hartley  
 Smith, M. I. 3 t Whittier  
 Smith, M. G. 3 t Whittier  
 Smith, O. A. pl 503 W. 121  
 Smith, S. C. 1 b Brooks  
 Smith, S. E. pl 700 Park ave.  
 Smith, V. 2 b 601 W. 110  
 Smith, W. ph 417 W. 118  
 Smith, W. L. 1 c Baldwin, L. I.  
 Smith, W. P. 1 s  
     123 Pierrepont, Bklyn.  
 Smith, W. T. gr t  
     154 Warren, Bklyn.  
 Smith, Y. B. 1 l Livingston  
 Smurthwaite, G. H. S. 3 t  
     104 W. 69  
 Smythe, R. H. f a  
     159 Joralemon, Bklyn.  
 Snevily, R. S. 2 c  
     81 Macon, Bklyn.  
 Snoddy, E. K. 3 t 545 W. 129  
 Snook, E. L. 4 t 430 W. 119  
 Snook, T. E., Jr. 3 s 618 W. 113  
 Snyder, A. E. 3 t 504 W. 122  
 Solender, S. S. 3 t 16 E. 116

Solinger, W. B. 2 l  
340 Vernon ave., Bklyn.  
Solomons, C. B. 3 t  
Hotel Colonial, 51 W. 81  
Sommers, S. A. 2 l Hartley  
Soule, E. W. 4 s 1790 Walton ave.  
Soule, F. J. pl 700 Park ave.  
Southerton, M. 2 b Brooks  
Spalding, L. F. 4 b  
18 Woodland ave., New Rochelle  
Spalthoff, W. D. 1 s  
34 Casco, Forest Park, L. I.  
Sparks, T. A. nm c 558 W. 113  
Spaulding, L. C. ph 527 W. 121  
Spear, D. A. 2 b 850 Tinton ave.  
Spencer, C. B. 4 s 1124 Tinton ave.  
Spencer, E. B. 1 c Hartley  
Spencer, F. B. 3 c  
1124 Tinton ave.  
Spencer, H. G. 2 s  
1245 Amsterdam ave.  
Spencer, H. J. p Hartley  
Spencer, M. 4 t  
297 Henry, Bklyn.  
Sperling, J. L. 1 b  
1200 Madison ave.  
Spining, H. M. 4 t  
South Orange, New Jersey  
Spitz, E. F. pl Hartley  
Splain, J. A. F. nm c 318 W. 26  
Spooner, G. B. p 503 W. 121  
Spooner, M. G. 1 c 346 W. 57  
Springer, A. P. 1 c 625 W. 135  
Springer, P. M. 3 c  
401 Miller ave., Bklyn.  
Sprung, A. 4 s 126 W. 118  
Squier, G. F. 1 s 523 W. 113  
Staats, M. nm b 571 Park ave.  
Stacey, E. nm t  
Perth Amboy, N. J.  
Stack, E. M. 2 b 435 W. 123  
Stadie, W. C. p 270 Willis ave.  
Staelin, L. E. ph 1307 Fulton ave.  
Stafford, R. W. 4 s 306 W. 137  
Stage, J. M. 4 t 522 W. 123  
Stagen, R. M. 3 b  
459 Bement ave., W. Brighton, S. I.  
Staiger, B. C. 2 s 616 W. 113  
Stair, B. W. ph 580 W. 161  
Stallcup, E. S. nm l 511 W. 122  
Stamm, C. L. ph  
25 N. Seventh ave., Mt. Vernon  
Stanley, J. H. 3 l Livingston  
Stanley-Brown, R. f a  
Cold Spring Harbor, L. I.  
Stanton, W. H. 4 t  
571 E. 28, Bklyn.

Stapff, H. 3 b 67 East End ave.  
Stark, Mrs. E. P. 4 t 537 W. 123  
Staub, P. M. f a Mamaroneck  
Stearns, G. R., Jr. Hartley  
Stearns, R. 1 c  
Webster ave., New Rochelle  
Stearns, W. W. 2 c  
23 Coddington, Yonkers  
Stebbins, M. C. 1 b  
23 Stevens, Astoria, L. I.  
Steckler, E. L. 1 c 61 W. 88  
Steel, J. A. 2 c Livingston  
Steele, C. A. 3 t 417 W. 120  
Steele, E. 4 t  
192 Bloomfield ave., Passaic  
Steele, R. H. 2 l  
33 Monroe Pl., Bklyn.  
Steffen, W. C. A. 1 m  
557 Fourth ave., College Point  
Stegman, B. C. 2 b  
1041 Bloomfield, Hoboken  
Stein, L. E. 2 b  
292 Manhattan ave.  
Steinberg, M. J. 1 s 120 Sheriff  
Steinbruch, W. 1 s  
206 Eighth ave., Bklyn.  
Steindler, E. L. 2 s 100 W. 70  
Steinecke, J. A. 3 b  
55½ Lynch, Bklyn.  
Steinemann, R. 3 c 149 E. 48  
Steiner, J. 2 l Livingston  
Steinhardt, L. A. 1 c 23 E. 92  
Steinhardt, L. M. 1 c 23 E. 92  
Steiniger, A. B. 4 t  
674 West End ave.  
Steinman, D. B. p 53 Seventh  
Steinmetz, F. C. 2 m 352 W. 19  
Steinschneider, W. 4 s  
2098 Valentine ave.  
Steitz, A. ph 522 Linden, Bklyn.  
Stenbuck, B. E. 1 b  
422 De Kalb ave., Bklyn.  
Stephens, I. M. gr t Whittier  
Stephens, R. 3 c Hartley  
Stephens, S. D., Jr. 2 c Hartley  
Stephens, S. M. 4 t Whittier  
Stern, A. 1 b 56 W. 72  
Stern, A. N. 1 c 51 W. 88  
Stern, D. nm c 18 E. 93  
Stern, K. G. 2 s 198 Broadway  
Sternberg, E. 4 c  
1323 Broadway, Bklyn.  
Sterritt, J. E. 4 c  
Library Coat Room  
Stetson, R. E. 3 m 346 W. 57  
Stevens, C. D. ph 600 W. 133  
Stevens, E. nm t 225 West End ave.



- Stevens, H. C. 1 s Hartley  
 Stevens, J. W. *ph*  
     116 Linden ave., Bloomfield  
 Stevenson, J. A. 2 s  
     77 Lenox ave., E. Orange  
 Stevenson, J. M. 1 b  
     294 Prospect, L. I. City  
 Stewart, E. G. 3 t Whittier  
 Stewart, I. M. 4 t 416 W. 118  
 Stewart, J. 3 t 277 W. 114  
 Stewart, M. W. 1 b  
     1058a Sterling Pl., Bklyn.  
 Stewart, N. 3 b 1754 Topping ave.  
 Stewart, R. R. 3 c 467 W. 164  
 Stewart, W. E., Jr. 1 s  
     295 Jamaica ave., Astoria, L. I.  
 Stickles, L. 1 m  
     957 Broad, Newark, N. J.  
 Stiefel, W. A. 1 c  
     58 Maiden Lane  
 Stiggins, S. J. 3 l  
     Law Coat Room  
 Stiles, M. M. 4 t Whittier  
 Stillman, E. G. 1 m 9 E. 72  
 Stimson, M. B. 3 b 68 W. 40  
 Stinchfield, L. E. 4 t  
 Stine, M. D. 2 b 2394 Jerome ave.  
 St. John, W. *ph* 414 W. 124  
 Stockton, S. D., Jr. 1 l Livingston  
 Stohlmann, W. F. *nm*  
     305 Carlton ave., Bklyn.  
 Stokes, E. R. S. 3 t Whittier  
 Stoll, M. 2 s 121 E. 115  
 Stone, E. W. 3 c  
     1128 Bedford ave., Bklyn.  
 Stone, J. C., Jr. 2 s 501 W. 125  
 Stone, S. 4 t 49 W. 9  
 Stone, W. W. 2 s Livingston  
 Storer, H. M. 3 t  
     7 Park ave., White Plains  
 Storey, J. A., Jr. 2 c 540 W. 113  
 Stork, E. J. *p*  
     212 Hancock ave., Jersey City  
 Story, H. V. U. 3 c 119 E. 19  
 Stout, A. P. 2 m  
     574 Madison ave.  
 Stowell, D. D. 3 m 313 W. 70  
 Stowell, W. A. 4 t  
     140 Kent, Trenton, N. J.  
 Strader, W. W. *gr t*  
     816 Bloomfield, Hokoben, N. J.  
 Strafer, E. M. 4 t Whittier  
 Straiton, C. 1 b 520 W. 134  
 Strang, B. B. 2 c  
     301 Lafayette ave., Bklyn.  
 Strang, R. B. 1 s  
     431 Putnam ave., Bklyn.
- Strasburger, S. M. 1 c 411 W. 115  
 Stratford, A. C. *ph*  
     113 Clinton ave., Bklyn.  
 Stratton, A. 3 t Whittier  
 Stratton, J. R. 2 l Livingston  
 Straus, S. 3 b  
     504 Richmond Ter., New Brighton  
 Strauss, S. G. 1 m 46 E. 75  
 Streeter, S. G. *p*  
     158 Summit ave., Jersey City  
 Streubel, E. J. *ph*  
     169 Lefferts ave., Bklyn.  
 Strippel, A. E. 2 s 102 E. 112  
 Strobel, R. L. 2 s Livingston  
 Strong, E. K., Jr. *ph* 500 W. 122  
 Struthers, R. T. 2 s 376 E. 136  
 Stryker, L. M. 3 b  
     9 Lake, White Plains  
 Stuart, S. K. G. *ph*  
     123 Joralemon, Bklyn.  
 Sturges, H. A. *ph* 700 Park ave.  
 Sturtevant, A. H., Jr. 2 c  
     Edgewater, N. J.  
 Stutz, C. K. 4 t  
     1230 Amsterdam ave.  
 Suffern, A. E. *gr t*  
     75 Manhattan  
 Sugarman, M. H. *fa*  
     2134 La Fontaine ave., Bronx  
 Sullivan, G. C. 3 s Hartley  
 Sullivan, J. E. 3 t 540 W. 114  
 Sullivan, T. F. X. *p* 601 W. 182  
 Sullo, N. A. 3 m 686 Eagle ave.  
 Sulzberger, A. H. 1 c  
     516 West End ave.  
 Sumerel, S. W. 1 m 42 W. 66  
 Sumner, B. 4 t  
     1107 Amsterdam ave.  
 Sumner, C. 3 m  
     24 Ridge, Orange, N. J.  
 Sun, H. W. 2 s Hartley  
 Sunderland, E. G. 3 t 505 W. 124  
 Sunier, F. A. *nm b* 610 W. 116  
 Surdam, M. J. 4 t Whittier  
 Surrey, F. M. *gr t* 505 W. 122  
 Surrey, N. M. M. *pl* 505 W. 122  
 Surut, A. 1 b 138 W. 121  
 Sutherland, I. 4 t 227 W. 11  
 Sutherland, R. 1 c  
 Suverkrop, E. A., Jr. 1 s  
     251 W. 109  
 Suydam, L. R., Jr. 2 s Hartley  
 Suzuki, Y. *ph* 700 Park ave.  
 Swain, P. L. 3 l 235 W. 102  
 Swaine, F. T. *fa* 250 W. 104  
 Swalley, M. F. 1 b  
     191 Claremont ave.



Swallow, H. J. 2 s 605 W. 184  
 Swanton, R. L. 3 c  
     124 St. James Pl., Bklyn.  
 Swartwout, F. R. 3 l 538 W. 113  
 Swartwout, R. G. f a 538 W. 113  
 Swartz, M. D. 2 s Livingston  
 Swazey, E. S. 2 c 619 W. 113  
 Sweeney, M. M. 4 m 318 W. 23  
 Swick, D. A. 4 m 304 W. 146  
 Swift, P. E. 4 m 35 W. 65  
 Swift, S. 1 m 8 E. 54  
 Swift, M. W. B. nm t 501 W. 120  
 Swords, S. L. 3 t  
     1758 Topping ave.  
 Syska, A. G. 1 s 172 W. 105  
 Syverson, T. S. nm s 618 W. 113  
 Szanto, S. S. 3 s  
     506 E. 81 Care of Schwartz

Taber, B. M. 4 b Brooks  
 Tackmann, H. 1 s 253 E. 82  
 Tag, W. 2 s 511 Macon, Bklyn.  
 Tallant, J. D. 4 s 614 W. 113  
 Tallatschek, L. A. nm b Brooks  
 Tallman, G. G. 3 b  
     3605 Broadway

Tannenbaum, S. W. 4 c 58 E. 123  
 Tanner, W. F. 1 c 625-27 W. 138  
 Tanzer, H. H. ph 294 W. 92  
 Tanzol, a, Vincent, 1 c  
     162 9, Bklyn.

Tarantous, R. 2 s 1063 Teller ave.  
 Tarrelly, S. T. f a  
     578 West End ave.

Tashof, I. P. 2 s 145 E. 38  
 Tawyer, M. A. 3 t Whittier  
 Taylor, C. E. gr t 234 W. 111  
 Taylor, E. C. f a 554 W. 113  
 Taylor, F. 1 m 130 E. 67  
 Taylor, Helen, 4 t  
     462 Convent ave.

Taylor, S. ph Whittier  
 Taylor, S. P. 3 s 123 W. 85  
 Taylor, V. p  
     426 Center, S. Orange, N. J.

Taylor, Rupert, ph Livingston  
 Tea, M. A. ph 65 W. 91  
 Tea, P. L. 3 s 65 W. 91  
 Temple, E. 4 t Whittier

Tenny, A. M. 1 m  
 Termini, P. J. 2 l  
     1105 ave. U, Sheepshead Bay

Terrell, Alice, gr t Whittier  
 Terrell, E. F. 1 b  
     93 Cambridge Pl., Bklyn.

Terrell, H. N. gr t Dobbs Ferry  
 Terry, A. H. 4 m

Tewksbury, E. B. gr t  
     412 Ninth ave.

Tharp, E. pl 152 W. 121  
 Thees, C. R. 2 b 271 Lenox ave.

Thomas, A. G. 3 l 239 W. 105  
 Thomas, A. L. 4 t Whittier

Thomas, A. W. 2 s  
     299 Magnolia ave., Jersey City

Thomas, F. M. 3 t Whittier  
 Thomas, H. L. ph 125 E. 27

Thomas, J. A., Jr. 1 s 605 W. 146  
 Thomas, L. A. 4 t 431 W. 121

Thomas, L. E. nm t 405 W. 118  
 Thomas, P. B. 1 c 616 W. 113

Thomas, R. G. f a Livingston  
 Thomas, W. L. 2 s 175 W. 72

Thompson, A. 3 t  
     110 Manhattan ave.

Thompson, C. M. pl 401 W. 118  
 Thompson, E. C. 3 s  
     304 State, Bklyn.

Thompson, L. ph  
     880 St. Nicholas ave.

Thompson, L. M. 2 m 250 W. 88  
 Thompson, L. S. 3 s  
     1373 Washington ave.

Thompson, M. K. 3 t  
     2670 Bedford ave., Bklyn.

Thompson, N. 3 t  
     22 Lewis, Union Course, L. I.

Thompson, O. 4 b  
     92 Union ave., Jamaica

Thompson, R. 2 b  
     407 Washington ave.,  
     Port Richmond, S. I.

Thompson, R. C. 1 l Sea Gate  
 Thompson, W. C. 2 s Hartley

Thompson, W. S. f a 116 W. 127  
 Thomson, A. G. 4 b 3 W. 92

Thomson, E. 3 b 568 W. 161  
 Thomssen, E. G. p  
     451 Fifteenth, Bklyn.

Thorburn, G. 1 m 346 W. 37  
 Thorn, F. C. 2 s 515 W. 139

Thorne, N. 4 b  
     418 St. Nicholas ave.

Thornton, A. C. 4 t 410 E. 178  
 Thornton, J. F. gr t 501 W. 124

Thornton, T. F. 4 c  
     229 Hinsdale, Bklyn.

Thorpe, B. D. 3 m 136 W. 82  
 Thorpe, E. O. ph 207 Dyckman

Thrush, E. B. 3 t Hartley  
 Thurlow, L. K., Jr. 2  
     152 Gates ave., Bklyn.

Tiemann, K. H. 3 b Brooks  
 Tiffany, L. C. nm b 29 E. 72

- Till, C. 3 t  
     616 E. 17, Flatbush, Bklyn.  
 Timberlake, E. 4 t  
     1230 Amsterdam ave.  
 Tishman, L. 2 c      25 W. 90  
 Titus, R. P. 1 c      Hartley  
 Toaz, R. K. gr t      Huntington  
 Tobias, D. F. 4 s      132 W. 126  
 Tobias, H. 1 b 478 Second, Bklyn.  
 Todd, H. C. 4 c      304 W. 109  
 Todtschinder, P. 1 s  
     98 Lee ave., Bklyn.  
 Toglia, V. G. 2 c  
     456 Main, New Rochelle  
 Tompkins, N. M. pl  
     80 Lincoln ave., Poughkeepsie  
 Tong, Y. L. 2 s      Hartley  
 Tonts, A., Jr. f a      Livingston  
 Tooker, H. C. 2 c 373 Broadway  
 Tooker, M. W. nm b      Larchmont  
 Tooker, N. B. 4 m      231 W. 69  
 Topp, E. T. p      342 W. 19  
 Topping, H. F. 3 t      312 W. 54  
 Torborg, G. R. 2 s      621 W. 145  
 Tortora, A. p      315 E. 53  
 Townsend, C. 4 t      53 W. 124  
 Townsend, D. S. 3 c      Hartley  
 Townsend, M. E. pl  
     432 Westminster ave., Elizabeth  
 Townsend, R. H. 4 s      Hartley  
 Trace, M. A. nm t      605 W. 144  
 Tragitt, H. N. 1 c  
     211 S. 9 ave., Mt. Vernon  
 Trask, F. E. f a      501 W. 121  
 Treat, D. H. 4 t      49 W. 85  
 Treat, M. K. 4 t      49 W. 85  
 Tredick, H. F. gr t      Whittier  
 Tredwell, E. A. S. T. pl  
     57 W. 106  
 Trieschmann, H. F. 3 b      600 W. 133  
 Trillich, B. L. 2 s  
     675 Union ave.  
 Trilling, F. A. 3 t      Whittier  
 Tripp, W. A. 2 s  
     103 Monroe, Bklyn.  
 Trischka, C. 1 s  
     135 S. Vine, Richmond Hill  
 Troutfelt, E. M. l      500 W. 123  
 Trottier, T. 4 t      501 W. 122  
 Truax, R. H. ph      The Wyoming  
 Truesdell, W. B. p      512 W. 135  
 Tsao, F. G. 3 t      503 W. 121  
 Tschudy, E. A. 3 s      209 E. 45  
 Tsu, Y. Y. pl  
     General Theological Seminary,  
     Chelsea Sq.
- Tsuda, S. p      47 Prospect Pl.  
 Tucker, D. E. 3 t      Whittier  
 Tucker, L. E. gr t  
     3 Washington Sq. N.  
 Tucker, R. D. nm c      362 W. 58  
 Tully, M. 1 b      419 E. 50  
 Tunison, E. H. 1 m  
     99 Doscher, Bklyn.  
 Tupper, W. D. 3 s  
 Turner, J. P. ph      421 W. 121  
 Turner, M. B. pl  
     129 Arlington ave. Jersey City  
 Turner, R. M. nm t      Whittier  
 Turpin, E. C. nm c  
     150 E. 18, Bklyn  
 Tuttle, G. C. 3 l 107 Waverly Pl.  
 Tuttle, M. L. 4 t  
     90 Morningside ave. W.  
 Tyler, A. R. f a      332 Monroe St.  
 Tyndall, G. V. A. 4 t  
     137 S. Sixth ave., Mt. Vernon  
 Tyndall, R. M. 1 b      56 W. 102  
 Tyng, E. Mc J. ph      430 W. 119  
 Unger, A. 2 m      52 E. 118  
 Uhr, J. S. 1 s      117 Lewis  
 Uihlein, H. A. 3 l      419 W. 115  
 Ullrich, A. R. 1 s  
     109 S. Oxford, Bklyn.  
 Underwood, E. S. pl      541 W. 158  
 Unger, L. J. 1 m      40 W. 128  
 Untermyer, I. 3 l      675 Fifth ave.  
 Urch, M. E. gr t      King's  
     College, 121 and Amsterdam  
 Utter, H. E. 4 m      219 W. 80  
 Vail, E. 3 t      72 W. 124  
 Valdes, A. P. 2 s  
     202 Riverside Drive  
 Valensi, A. 1 c      2 E. 120  
 Valentine, C. H. 2 s  
     647 Lexington ave.  
 Valentine, H. D. ph  
     2324 Eighty-second, Bklyn.  
 Valentine, L. 4 t      94 Lawrence  
 Valet, E. M. 2 b      111 W. 127  
 Vallely, Chas. C. 2 s      335 W. 35  
 Van Arsdale, F. A. 3 t  
     142 Elm ave., Mt. Vernon  
 Van Buskirk, A. S. 3 b 21 W. 123  
 Van Buskirk, E. F. p  
     391 Monroe, Bklyn.  
 Vanderburgh, F. A. ph  
     53 Washington Sq.  
 Vanderveer, S. L. 3 l Livingston  
 Vandewater, W. C. 3 l Livingston  
 Van Doren, C. ph      Hartley

- Van Dreser, Walter, *f a*  
523 W. 113
- Van Dusen, L. D. *3 t*  
213 Congress, Bklyn.
- van Duyn, M. E. *1 b*  
9 Claverly Pl., Flushing, L. I.
- Van Dyck, V. *1 c*  
67 W. 44, Bayonne
- Van Etten, R. C. *4 m* 219 W. 80
- Van Fossan, E. H. *1 l* Livingston
- Van Hook, Errett *1 s* Hartley
- Van Horn, G. *3 t* 610 W. 116
- Van Horn, O. O. *nm b*  
610 W. 116
- Van Horne, E. G. *3 t* 51 W. 106
- Van Ingen, B. J. *3 c*  
554-11, Bklyn.
- Van Kirk, Hiram, *ph*  
175 Ninth ave.
- Van Kleeck, E. *4 c* 4 W. 123
- Van Raalte, J. *1 b* 10 W. 87
- Van Saun, E. G. *3 t*  
Maywood, N. J.
- Van Schaick, A. M. *4 t*  
1230 Amsterdam ave.
- Van Tine, A. A. *3 l*  
567 West End ave.
- Van Tine, H. *2 c*  
567 West End ave.
- Van Vranken, F. *1 b* Brooks
- Vassar, H. W. *f a* Hartley
- Vaughan, L. L. *3 s* Hartley
- Vaughan, S. A. *4 t* 420 W. 121
- Vaughn, H. P. *pl* 700 Park ave.
- Venner, G. A. *nm b* 321 W. 75
- Verlage, C. C. M. *3 b* 201 W. 79
- Vermilya, M. *3 t* 556 W. 183
- Verplanck, E. F. *2 s* 612 W. 116
- Vexler, F. N. *ph* 239 E. 13
- Vietor, J. A. *3 m* 28 W. 53
- Villavilla, M. C. *Diaz de, 1 b*  
111 E. 19
- Villella, J. A. *ph* 61 Henry
- Vining, I. E. *pl* Livingston
- Vital, Joseph, *ph*  
59 N. Broadway, Yonkers
- Vogel, Harry *f a* 224 W. 140
- Vogler, P. C. *1 s* 341 E. 10
- Volker, H. J. *3 s*  
94 S. Highland ave., Ossining
- von Bauer, A. J. *3 t* 225 E. 19
- von Doenhoff, D. *1 b* 167 E. 95
- Von Glahn, I. *1 b* 275 W. 145
- von Lengerke, I. *3 t*  
211 Highland ave., Orange
- von Malmborg, C. A. *4 s*  
127 W. 111
- Von Muffling, E. A. *3 s*  
1000 E. 19, Flatbush, L. I.
- von Tobel, H. *1 b* Brooks
- von Umwerth, F. *ph* 527 W. 121
- von Wahl, C. W. *2 b* 22 E. 120
- von Wedell, H. A. *1 l* Livingston
- von Witzleben, B. W. *1 l*  
495 West End ave.
- Voorhis, S. G. *1 b* 523 W. 124
- Vos, J. *nm c* 258 W. 130
- Voskamp, J. A. *4 s* Hartley
- Voyse, M. *1 b*  
409 Palisade ave., Yonkers
- Wack, W. H. *1 c*  
167 Lawton ave., Grantw'd, N. J.
- Wadsworth, I. C. *4 t* 431 W. 121
- Wagner, F. H. *2 s* Hartley
- Wagner, J. A. *4 b* 236 E. 31.
- Waite, E. A. *3 b* Brooks
- Waite, J. M. *nm t*  
1230 Amsterdam ave.
- Wakefield, A. *ph*  
87 Fourth ave., Newark
- Wakeman, M. E. *4 t* Whittier
- Waldo, R. F. *pl* Tenth ave. & 50
- Waldstein, A. S. *ph*  
246 E. Houston
- Walker, E. W. *3 l* Livingston
- Walker, I. F. *4 t* Whittier
- Walker, L. V. *3 t*  
153 Walnut, Montclair, N. J.
- Walker, R. *3 m* 168 W. 47
- Walker, R. T. *f a* 523 W. 113
- Walkinshaw, R. B. *2 l* Livingston
- Wallace, L. B. *nm t* 46 W. 71
- Wallace, O. A. *nm c* 7 W. 92
- Wallis, J. E. *3 s* Livingston
- Walser, G. O. *2 l*  
Livingston Pl., New Brighton
- Walsh, J. A. *1 s* 461 E. 185
- Walsh, N. *nm t* 417 W. 120
- Walsh, R. *1 s* Ft. Hancock N. J.
- Walter, L. *2 s*  
76 Juniper ave., Maspeth, N. Y.
- Walters, R. E. *4 s* 505 W. 122
- Walther, C. M. *2 b*  
201 N. High, Mt. Vernon
- Walton, J. B. *pl* 540 E. 76
- Wangerien, C. J. *2 l* Livingston
- Ward, E. G. *ph* 515 W. 111
- Ward, E. H. *4 t* 519 W. 121
- Ward, M. *nm t* 417 W. 121
- Ward, Mabel *4 t*
- Ward, M. H. *3 m* 129 W. 64
- Ward, N. B. *1 s*  
13 Gates ave., Montclair, N. J.

- Wardell, S. E. 3 *t*  
101 Day, Orange, N. J.
- Wardell, W. S., Jr. *f a*  
25 Waverly Pl., Orange, N. J.
- Wardin, H. H. 2 *c* Hartley
- Wardlaw, F. A. Jr., 4 *s*  
608 W. 113
- Warren, E. L. 4 *m* 350 W. 71
- Warren, G. H., Jr. 2 *c*  
924 Fifth ave.
- Washburn, F. A. B. 1 *l* 52 E. 79
- Washington, F. W. 1 *s*  
352 S. Broadway, Yonkers
- Waterbury, C. H. 2 *c*
- Waterman, T. T. *ph* 200 W. 123
- Watson, C. M. 1 *c* 731 Madison
- Watson, M. D. 4 *c* 564 W. 149
- Watson, M. W. *nm b* 258 W. 93
- Watson, S. P. 3 *t* Whittier
- Watson, T. H., Jr. 1 *c* 258 W. 93
- Watt, H. S. *pl*  
1150 Fairmount ave., Elizabeth
- Watters, A. C. 1 *s* 360 W. 117
- Wax, L. W. *pl* 53 E. 104
- Way, H. D. *f a* 503 W. 122
- Wayt, H. I. 4 *t*  
161 Franklin, Astoria, L. I.
- Weagle, J. A. (Rev.) *ph*  
The General Theological Sem.
- Weakland, W. L. *ph* 419 W. 121
- Weatherspoon, L. McI. *nm t* Whittier
- Weaver, J. A. *f a* 558 W. 113
- Weaver, R. M. 4 *t*  
47 Morningside Drive
- Webb, E. G. 4 *t* 511 W. 122
- Webb, E. W. 1 *b*  
312 S. Second ave., Mt. Vernon
- Webber, W. T. 2 *c* 515 W. 139
- Weber, M. E. *gr t* 106 W. 122
- Weber, R. H. *f a*  
1 River View Ter.
- Webster, D. H. 4 *m*  
308 Madison ave.
- Webster, J. McB. 3 *s* 202 W. 103
- Webster, L. S. 4 *s*  
1453 Lexington ave.
- Webster, S. *nm t* 1 Suburban Pl.
- Weed, D. V., Jr. 4 *s* 451 W. 162
- Weeks, A. M. 1 *b*  
54 Irving Pl., Red Bank
- Weeks, H. A. 2 *c* 420 W. 118
- Weeks, W. C. 1 *c* Hamilton
- Weeks, W. W. 2 *m* 46 E. 57
- Wegener, F. A. 2 *s* 546 W. 113
- Wegener, M. A. 1 *b* 546 W. 113
- Wehle, H. 3 *t* 352 W. 118
- Weiker, H. A. *f a* 76 E. 86
- Weil, A. A. *nm b* 300 W. 100
- Weil, J. J. 4 *t*  
15 Spencer Pl., Bklyn.
- Weil, L. 2 *b* 303 W. 100
- Weill, M. 1 *c* 333 E. 79
- Weimar, G. M. *ph*  
1004 Bloomfield, Hoboken
- Weimer, C. 4 *t*  
1230 Amsterdam ave.
- Weinberger, I. 2 *c*  
349 E. Houston
- Weiner, S. F. 1 *c*  
2508 Broadway
- Weingart, J. 4 *m* 236 W. 138
- Weinman, C. L. 1 *c*  
162 Mercer, Jersey City
- Weinstein, D. 2 *l* Hartley
- Weinstein, J. 4 *s* 767 E. 152
- Weinstein, M. 4 *b* Brooks
- Weintrob, R. 3 *t* 68 W. 97
- Weis, W. M. 2 *c* 114 E. 74
- Weisman, C. *p*  
152 Atlantic ave., Bklyn.
- Weiss, B. 3 *s* 45 St. Marks Pl.
- Weiss, H. 1 *s*  
95 Williams ave., Bklyn.
- Weiss, W. S. 2 *l*  
Riverside Drive & 180
- Welch, A. G. 3 *t* 509 W. 124
- Welch, W. 1 *c* Scarsdale
- Welle, E. 2 *s*  
365 Straight, Paterson, N. J.
- Welle, E. *ph*  
365 Straight, Paterson
- Welles, L. M. 3 *t* 523 W. 122
- Wellington, E. E. *ph* Bronxville
- Wellington, H. W. 2 *m* 104 W. 61
- Wells, C. L. 1 *c*  
118 Lefferts Pl., Bklyn.
- Wells, G. F. *gr t* Hartley
- Welsh, F. D. *nm c* 565 W. 113
- Welsh, J. C. *gr t* 707 W. 180
- Weltner, P. R. 3 *l* Hartley
- Welty, E. M. 4 *t* 514 W. 135
- Wen, C. Y. *p* Livingston
- Werner, P. C. 4 *c*  
202 Riverside Drive
- Wertz, Z. B. 4 *t* Whittier
- West, M. L. 3 *t* Whittier
- Weston, E. G. 4 *b* 228 W. 141
- Weston, M. D. *nm t* Whittier
- Wetjen, H. W. 2 *s* 146 W. 98
- Wettingfeld, E. W. 3 *b*  
46 Lent, Corona, L. I.
- Weyl, M. *pl* 511 W. 122
- Weymann, L. C. 3 *b* 148 E. 16



Wheeler, C. E. *gr t*  
 441 Fourth, Bklyn.  
 Wheeler, C. M. *4 t* 417 W. 118  
 Wheeler, I. *1 c* 565 W. 113  
 Wheeler, R. A. *1 s* 111 Burgher  
 ave., W. New Brighton  
 Wheeler, W. H. *3 s* 565 W. 113  
 Whitaker, K. E. *nm l* Livingston  
 Whitaker, W. A. Jr. *p* 526 W. 114  
 Whitcomb, E. S. *4 t* 519 W. 121  
 White, A. L. *p* 500 W. 114  
 White, C. Carroll, *2 m* 346 W. 57  
 White, F. C. *ph*  
 973 Whitlock ave.  
 White, G. M. *f a* 612 W. 116  
 White, M. C. *1 s* 311 W. 95  
 White, V. *1 b*  
 362 Main, Hackensack  
 White, W. *1 c* 611 W. 145  
 White, W. C. *2 m*  
 833 Bloomfield, Hoboken  
 White, W. C. *2 s* Englewood, N. J.  
 White, W. C. L. *gr t*  
 68 Woodbine, Bklyn.  
 Whitford, E. E. *p* 523 W. 151  
 Whitlock, B. McE. *2 c* 612 W. 116  
 Whitley, M. T. *ph* 416 W. 122  
 Whitman, A. *2*  
 283 Lexington ave.  
 Whittaker, H. H. *f a*  
 177 Lefferts ave., Bklyn.  
 Whittier, M. H. *gr t* Whittier  
 Whitwell, C. B. *3 s* 526 W. 114  
 Wichenden, A. A. *4 s* 7 E. 39  
 Wickham, J. F. *ph* Livingston  
 Widmer, M. M. *4 t* 519 W. 121  
 Wiener, E. *1 b*  
 Hotel Majestic  
 Wiener, F. R. *2 s* 48 E. 65  
 Wiener, H. J. *4 m* 48 E. 65  
 Wiesner, A. *4 b*  
 12 Union ave., Mamaroneck  
 Wigand, E. E. *1 b* Arrochar, S. I.  
 Wiggers, A. F. A. *1 m* 400 W. 152  
 Wilbarger, A. W. *3 t* 363 W. 123  
 Wilber, Flora, *4 t* Whittier  
 Wilcox, D. A. *1 s* 41 W. 52  
 Wilcox, P. W. *4 s* 41 W. 52  
 Wilcox, W. S. *gr t* Pelham, N. Y.  
 Wildman, A. J. *4 t* Whittier  
 Wildman, H. V., Jr. *2 m* 108 W. 94  
 Wilds, R. H. *4 m*  
 Wile, A. *nm t* 3097 Broadway  
 Wile, H. *4 t* 3097 Broadway  
 Wiley, E. S. *3 t* Whittier  
 Wilford, M. G. *3 t* 505 W. 112  
 Wilhelm, L. M. *3 t* Whittier

Wilker, E. *ph* 500 W. 21  
 Wilkes, B. C. *nm t* Irvington, N. J.  
 Wilkins, J. *pl*  
 Gen. Theo. Sem., Chelsea Sq.  
 Wilkes, H. E. *3 b*  
 991 Clinton ave., Irvington, N. J.  
 Wilkinson, S. *4 t* 501 W. 122  
 Willard, E. G. *3 t* 524 W. 124  
 Willets, E. L. *nm b*  
 197 Sandford ave., Flushing  
 Willets, G. J. *2 b*  
 34 Mamaroneck ave., White Pl'ns  
 Williams, B. C. *ph*  
 1230 Amsterdam ave.  
 Williams, G. I. *4 t* 524 W. 122  
 Williams, H. *4 s* Livingston  
 Williams, J. E. *1 m* 33 Lincoln  
 ave., Roselle Park, N. J.  
 Williams, J. F. *1 m* 346 W. 57  
 Williams, L. E. *nm t* 223 W. 43  
 Williams, S. E. *3 t* 201 W. 127  
 Williams, T. M. *3 s* 531 W. 113  
 Williamson, J. D. *1 c*  
 Ridgewood, N. J.  
 Willis, Mrs. M. C. *4 t*  
 1281 Union ave.  
 Willits, L. K. *3 t* 507 W. 124  
 Wilson, A. S. *2 b*  
 107 Spruce, Newark, N. J.  
 Wilson, C. B. *pl* 419 W. 121  
 Wilson, E. *3 t* Emerson Apartm't  
 Wilson, J. P. *1 c*  
 135 Fourth ave., Newark, N. J.  
 Wilson, J. R. *3 t*  
 727 E. 23, Paterson  
 Wilson, L. *2 s* 251 W. 81  
 Wilson, M. M. W. *3 t* Whittier  
 Wilson, P. D. *3 s* Hartley  
 Wilson, S. J. *1 c* 110 Kent, Bklyn.  
 Wilson, T. A. *2 s* 558 W. 113  
 Wilson, W. H. *gr t*  
 365 Pacific, Paterson  
 Winans, M. R. *3 t*  
 63 Johnson ave., Richmond Hill  
 Winchell, J. A. *nm t*  
 176 Elm ave., Mt. Vernon  
 Winderman, S. D. *3 c*  
 629 Eleventh, Bklyn.  
 Winslow, T. S. *1 m*  
 Winter, Norman *f a* 209 W. 97  
 Wirth, C. A. *p* 342 E. 74  
 Wischkaemper, H. *pl*  
 700 Park ave.  
 Wise, A. L. *1 s* 28 E. 63  
 Wise, H. B. *3 b*  
 106 Central Park, W.  
 Wise, H. G. *4 t* 273 Madison ave.



- Wise, L. E. *p*  
     349 Central Park, W.  
 Wise, S. L. *3 s*      28 E. 63  
 Witham, W. E. *ph*  
     2041 Seventh ave.  
 Witherby, L. F. *1 s*      544 W. 113  
 Wüthers, F. L. *4 t*      519 W. 121  
 Witt, W. *1 s*      242 W. 122  
 Wittenberger, A. F. *ph*  
     700 Park ave.  
 Witter, R. K. *nm t*      520 W. 123  
 Wolbarst, Eli *4 c*      24 E. 120  
 Wolcott, E. P. *ph*  
     235 Lefferts ave., Richmond Hill  
 Wolcott, M. E. *3 t*      Whittier  
 Wolf, P. L. *1 b*      119 W. 86  
 Wolferz, L. E. *ph*  
     497 Hart, Bklyn.  
 Wolff, C. *2 s*      12 E. 131  
 Wolff, M. *1 b*      231 W. 97  
 Wolff, S. L. *2 l*      12 E. 70  
 Wolff, S. L. *ph*      311 W. 94  
 Wolfs, M. L. *pl*  
     915 S. 16, Newark  
 Woll, F. A. *4 t*      1013 Home  
 Wood, E. *p*      417 W. 120  
 Wood, G. A. *pl*  
 Wood, H. *ph*      601 W. 110.  
 Wood, J. P. *2 s* 462 Convent ave.  
 Wood, M. C. *gr t*      348 W. 23  
 Wood, M. E. M. *1 b*  
     162 Cleveland, Bklyn.  
 Wood, R. U. *1 c* 462 Convent ave.  
 Woodbury, W. B. *ph* Livingston  
 Woodford, H. T. *nm t* Whittier  
 Woodhull, H. *3 b*      501 W. 120  
 Woodruff, J. E. *2 b*  
     344 Gregory ave., Passaic  
 Woodward, E. A. *nm s*  
 Woodwell, C. S. *2 c*      261 W. 121  
 Woolich, M. *4 t*      537 W. 133  
 Woolman, R. *4 t*      Whittier  
 Woolsey, H. M. *nm c*      508 W. 114  
 Worcester, J. N. *4 m*      219 W. 80  
 Worrall, H. D. *4 b*  
     2014 Fifth ave.  
 Worthen, Herbert C. *nm c*  
     195 Broadway  
 Worthington, A. F. *fa*  
     612 W. 116  
 Wright, H. K. *ph* 700 Park ave.  
 Wright, K. W. *ph*  
     P. S. No 6, West Farms  
 Wright, M. C. *pl*  
 Wright, R. G. *2 nm s*  
 Wright, W. R. *3 s*      55 W. 10  
 Wunderlich, E. P. *1 b*  
 Wuppermann, C. D. *S. fa*  
     604 W. 114  
     606 E. 164  
 Wurm, C. *1 c*  
 Wurthmann, J. W. *3 m*  
     1166 First ave.  
 Wye, T. E. *ph*      420 W. 121  
 Wylie, E. R. *gr t*  
 Wye, Tom S. *1 c*      53 Bayard  
 Wylie, S. D. *2 l*      520 W. 123  
 Yalovitz, A. *nm c*      60 E. 118  
 Yanagisawa, Taiji, *pl*  
     700 Park ave.  
 Yates, M. L. *2 c*      133 E. 69  
 Yellen, J. S. *1 c*  
     853 Cauldwell ave.  
 Yen, H. L. *pl*      Hartley  
 Yoakley, I. *3 t*      419 W. 121  
 Yokel, A. *4 c* 68 Kosciusko, Bklyn.  
 Yonteff, D. H. *2 c*      17 W. 111  
 Yoran, M. A. *3 t*      416 W. 122  
 York, L. D. *fa*      364 Willis ave.  
 Young, R. H. *2 c*      217 W. 134  
 Young, T. E. *pl* 3283 Broadway  
 Young, W. D. *4 t*  
     174 St. Nicholas ave.  
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     553 E. 32, Flatbush, Bklyn.  
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     41 Crawford, Newark, N. J.  
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 Zimmer, A. *1 b* 1326 Madison ave.  
 Zimmerman, W. S. *4 m*  
 Zipfel, L. *4 t*      54 W. 91  
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 Zipris, V. V. *3 c*      908 Kelly  
 Zoller, H. P. *2 c*      556 W. 150  
 Zollinhofer, S. *gr t*  
     141 Yates ave., Bklyn.  
 Zons, F. W. *p*  
     206 Jackson ave., L. I. C.  
 Zuckerbrot, R. L. *2 s*  
     57 Second ave.

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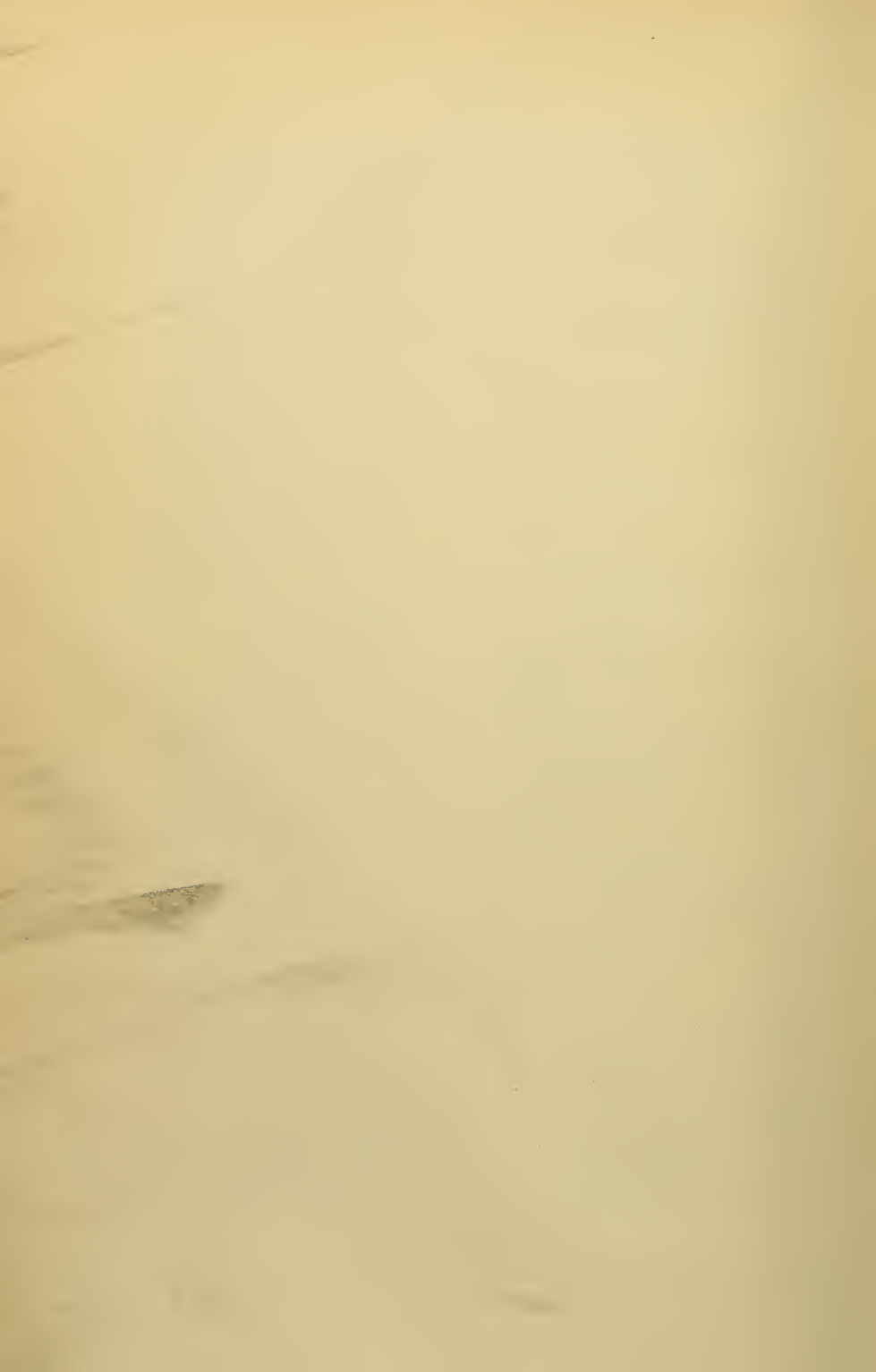
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